

DOCUMENT RESUME

ED 022 323

EF 001 368

PHYSICAL FACILITIES, ILLINOIS INSTITUTIONS. MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES. PRELIMINARY REPORT.

Master Plan Study Committee; Springfield, Ill.

Pub Date 3 Sep 63

Note-112p.

EDRS Price MF-\$0.50 HC-\$4.56

Descriptors-CLASSROOMS, *ENROLLMENT, *MASTER PLANS, *PHYSICAL FACILITIES, *PLANNING, *SPACE UTILIZATION

Enrollments, building planning and the utilization of space is discussed and a contribution toward the development of a master plan for higher education in Illinois is made. The first section presents information regarding limitations or ceilings which institutions now have or plan to have on their enrollments, the additional enrollment capacities which were considered possible in the fall of 1962, projected enrollments to 1965 and to 1970 and related building plans for the same periods, and an estimate of the additional enrollments which will result from building construction by the state universities. The second section presents data on utilization of space by 56 institutions for total and permanency rating of that space, the functional use of space and total square footage by function, and the utilization of classrooms, laboratories, office space, libraries, and service and maintenance space. Section three contains further additions and procedures to be considered by the committee regarding physical facilities. Major spaces available in the physical plant are dealt with, both private and public institutions being represented. A graphical representation of the data regarding class size and classroom capacity for each institution, is included, together with graphs showing square feet per student clockhour of instruction. (RK)

Preliminary Report

**PHYSICAL FACILITIES
Illinois Institutions**

Master Plan Study Committee I - Physical Facilities

ED 022323

EF 001368

September 3, 1963

Preliminary Report

PHYSICAL FACILITIES.
Illinois Institutions

Master Plan Study Committee I - Physical Facilities.

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE
PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS
STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION
POSITION OR POLICY.

September 3, 1963

MEMBERS OF COMMITTEE I - PHYSICAL FACILITIES

Harlan D. Bareither, Director
Central Office on the Use of Space
243 Davenport House
University of Illinois
Urbana, Illinois

Dr. Lloyd Bertholf, President
Illinois Wesleyan University
Bloomington, Illinois

Dr. George Hand
Southern Illinois University
Carbondale, Illinois

Mr. Vernon L. Heath
Robinson
Illinois

Dr. Asa Ruyle
Assistant to the President
Eastern Illinois University
Charleston, Illinois

Dr. Frederick H. McKelvey, Chairman
Executive Officer
Teachers College Board
Springfield, Illinois

FOREWORD

The preparation by the several universities and colleges of the data involved in the preparation of this report on enrollments and building planning and on the utilization of space has required a very considerable effort. On the whole, the Committee has been gratified with the response from the private and public institutions which have devoted their staff time, energy and thought in obtaining and assembling the basic material in this study. The Committee appreciates their cooperation and expresses the hope that the final report and accompanying charts will prove helpful to each school.

All of the Committee members have contributed to the development of this study, but special acknowledgment and appreciation must be expressed to the University of Illinois, which, through the Director of the Central Office on the Use of Space, Mr. Harlan Bareither, and members of his staff, particularly Mr. John Cain, Mr. Gilbert Schleef and Mrs. Alice Westgard, as well as Mr. John Garlits of the University's Statistical Service Unit, gave direction to the time-consuming task of reducing the quantities of data to manageable proportions and form.

In the Teachers College Board office Miss Marjorie Westphal capably handled most of the communications with the participating schools.

If the report of the Committee makes a contribution toward the development of a Master Plan for higher education in Illinois, the Committee will be well rewarded.

F. H. McKelvey

TABLE OF CONTENTS

INTRODUCTION	1
SECTION I - ENROLLMENTS AND BUILDING PLANS	5
Enrollment Ceilings	5
Additional Enrollment Capacity, Fall 1962	6
Table 1 - Enrollment of Responding Institutions, Their Ceilings, Future Ceilings, and Additional Enrollment That Could Have Been Accepted in Fall of 1962	9
Projected Enrollments to 1965 and 1970 if Building Plans are Completed	12
Table 2 - Projected Enrollments of Illinois Colleges and Universities for 1965 and 1970 (if Building Plans are Completed)	13
Projected Building Plans	15
Effect of the State Universities Bond Issue on Building Plans	16
Table 3 - Building Plans of Illinois Colleges and Universities for 1962-65 and 1965-70.	18
Table 4 - Data Regarding Buildings at the Eight State University Campuses Which Will Be Erected 1962-65 with 1960 Bond Issue and Other Funds.	20
SECTION II - UTILIZATION OF EXISTING SPACE	21
Total Facilities at Each Institution	22
Space by Function.	24
Classroom Utilization.	26
Graphical Representation of Classroom Data	34
Teaching Laboratory Utilization.	36
Office Space	39
Library Space.	42
Service and Maintenance Space for Buildings and Groups.	44
Data Collected But Not Summarized in Schedules at This Time.	45
Conclusion	45
SECTION III - FURTHER ADDITIONS AND PROCEDURES TO BE CONSIDERED BY COMMITTEE I - PHYSICAL FACILITIES.	47
SCHEDULES (A1 through H) and FIGURES (1-1 through 2-1)	49
NORMATIVE DATA ON CLASSROOMS AND TEACHING LABORATORIES	N-1

INTRODUCTION

Seventy-six institutions (78 including the Edwardsville Branch of Southern Illinois University and Navy Pier of the University of Illinois) were invited to participate in this study of enrollment and building plans and of space utilization.

Responses for the report on enrollment and building plans were received from sixty-eight institutions, with sixty-two usable responses although not all institutions answered every question. Six State Universities, two public teachers colleges, sixteen public 2-year colleges, seven non-public universities, twenty-six non-public colleges, and five non-public 2-year colleges, responded to this inquiry.

Responses for the report on space utilization were received from fifty-six schools; six of the State Universities but with eight reports, two of the public teachers colleges, eighteen of the public 2-year colleges, six of the non-public universities, nineteen of the non-public colleges, and five of the non-public 2-year colleges.

The construction of the physical plant facilities for higher education has required substantial expenditures and most projections indicate that fund requirements for the near future will continue to be large. The pertinence of a study on building plans and on the utilization of space now provided should be self-evident in relation to the development of an over-all planning approach for higher education in Illinois.

The first section of this report presents information regarding limitations or ceilings which institutions now have or plan to have on their enrollments; the additional enrollment capacities which were considered possible in the fall of 1962; the projected enrollments to 1965 and to 1970 and related building plans for the same periods; and finally, an estimate of the additional enrollments which will result from building construction by the State Universities.

The second section of this report presents the data on utilization of space by fifty-six institutions for total and permanency rating of that space; the functional use of space and total square footage by function; and the utilization of classrooms, laboratories, office space, libraries, and service and maintenance space.

Gymnasiums, auditoriums, student unions and bookstores, hospital and health services, and housing facilities for single and married students are included in the study but not analyzed in the preliminary report.

This utilization study has the merit of dealing with all the major spaces available in the physical plant, and the further merit of both private and public institutions being represented. It is unique in its attempt to present a graphical representation of the data regarding class size and classroom capacity for each institution, together with graphs showing square feet per student clockhour of instruction.

It should be observed that efficient utilization depends upon one or more factors which may prevent, deter or encourage high

utilization. These may include the nature of the educational program, the kind of institution, the type and size of the student body, and the educational point of view of the governing board and its college administrators. In effect, each institution must determine its standard of utilization but it should be willing to be aware of the consequences of such decisions.

SECTION I
ENROLLMENTS AND BUILDING PLANS

Questionnaires were mailed to 76 institutions and were returned by 68, with 62 usable replies (6 State Universities, 2 public teachers colleges, 16 public 2-year colleges, 7 non-public universities, 26 non-public colleges, and 5 non-public 2-year colleges). Not all of the respondents, however, replied to all questions.

ENROLLMENT CEILINGS

The data in response to the inquiry concerning present enrollment ceilings, future ceilings and additional enrollment which was possible in 1962 are reported in Table 1. None of the six State Universities and neither of the two public teachers colleges has established a ceiling now on enrollment. Six of the 16 public 2-year colleges reported such a ceiling, but the ceiling given in most cases was for the day students only; this has no great significance, since the bulk of enrollments in these colleges consists of evening classes.

Of the 38 non-public institutions which responded to this question, 22 reported an established ceiling; some institutions indicated that the ceilings given were for day students only, for resident students only, or for undergraduates only. The Committee recognizes, therefore, some limitations on the actual ceiling figures given.

With regard to the establishment of future ceilings on enrollment, only one of the State Universities indicates it has established

a ceiling (and this instance is known to be tentative). One of the public teachers colleges and one of the public junior colleges report planned future ceilings. Three of the non-public universities, six of the non-public colleges and two of the non-public junior colleges report planned ceilings in the future.

The returns seem to indicate that public institutions are more reluctant to establish a ceiling than private ones since they probably regard it as their obligation to provide for all qualified applicants over and above those who are accommodated at the private institutions.

ADDITIONAL ENROLLMENT CAPACITY, FALL 1962

How many additional students could have been accommodated in the fall of 1962 with existing facilities, as compared to the number enrolled? This question to the respondents inquired only regarding additional enrollment capacity so far as physical facilities were concerned--it asked the respondents to assume that an increase in staff would have been available.

While there was some tendency to qualify answers to the question regarding additional but unfilled capacity in the fall of 1962--for example, the assumption that student housing, too, would have been available, that additional evening classes would be possible, or that more part-time students could be accommodated--nonetheless, the Committee believes that the responses generally reflected some ability on the part of the institutions to have taken additional students.

Table I indicates the following number of students who could have been accepted in the fall of 1962:

Public

State Universities	3,671
Teachers Colleges	1,355
2-Year Colleges	6,853
	<u>11,879</u>

Non-Public

Universities	5,161
Colleges	5,927
2-Year Colleges	645
	<u>11,733</u>

The public institutions reporting in this study enrolled 102,686 students, and could have taken 11,879 more, or an increase of 11.5%. The non-public institutions reporting enrolled 75,326 students, and could have taken 11,733 more, or an increase of 15.5%.

If these percentages of increase are applied to the enrollment of all institutions in the State (including all not in this study or not reporting), and using for this purpose the enrollment data submitted by Committee A, the following estimate is obtained:

The public institutions enrolled 123,046 students, and could have enrolled an additional 14,150 with the applied increase of 11.5%, while the private institutions, which enrolled 96,697 students, with an increase of 15.5%, could have enrolled 14,988, or a combined total addition of 29,138 students.

The Committee hastens to say that it does not believe any great reliance can be placed on the actual numbers or upon this estimate except that it seems reasonable to conclude that apparently several

thousand additional students could have been accommodated in the fall of 1962. These could have been placed in three of the State Universities, but chiefly in the public two-year colleges and the private universities and colleges. However, this could have occurred only if the students had been distributed in the right places, at the right time of day, and, presumably, if most had been commuting students.

Table 1. Enrollment of Responding Institutions, Their Ceilings, Future Ceilings, and Additional Enrollment That Could Have Been Accepted in Fall of 1962.

Institution	Enrollment Fall, 1962	Enrollment Ceiling Now in Effect	Future Enroll- ment Ceiling and Date Effective	Additional Enrollment Possible, Fall, 1962
<u>State Universities</u>				
E.I.U.	3,435	None	None	465
I.S.N.U.	6,015	None	8,000(1970)	None
N.I.U.	9,137	None	None	None
S.I.U.-Carb.	11,619	None	None	None
S.I.U.-Edw.	4,625	None	None	1,875
U. of I.-Urb.	24,169	None	None	1,331
U. of I.-Chi.	4,597	None	None	None
W.I.U.	3,797	None	None	None
	<u>67,394</u>			<u>3,671</u>
<u>Public Tchr. Coll.</u>				
Chicago-North	1,645	None	3,000(1964-65)	1,355
Chicago-South	<u>5,727</u>	None	None	<u>None</u>
	<u>7,372</u>			<u>1,355</u>
<u>Public 2-Yr. Coll.</u>				
Belleville	2,238	600(day)		
Black Hawk	1,503			None
Bloom	759			600
Canton	469	350(day)		881
CCJC-Amundsen	3,038			1,800
CCJC-Bogan	3,156			644
CCJC-Loop	2,479		6,500	1,021
CCJC-Wright	7,695			1,305
Danville	554			250
Joliet	2,099	1,400		
LaSalle-Peru	398	350		
Lyons Twp.	914	430(day)		
Mt. Vernon	343			157
Southeastern Ill.	269			181
Thornton	1,720	700		
Wabash Valley	286			14
	<u>27,920</u>			<u>6,853</u>
TOTAL Public Insti.	102,686			11,879

(Table 1 - cont.)

Institution	Enrollment Fall, 1962	Enrollment Ceiling Now in Effect	Future Enrollment Ceiling and Date Effective	Additional Enrollment Possible, Fall, 1962
<u>Non-Public Univ.</u>				
Bradley	5,200	5,000	800(1970)1/	None
DePaul	8,187			1,330
Ill. Inst. Tech.	7,109		4,500(1970)2/	1,000
Ill. Wesleyan	1,181	1,500	1,500(1970)	319
Loyola	9,955			2,000
Millikin	1,918		2,318(1990)3/	200
Northwestern	<u>16,636</u>	<u>8,500</u> 4/		<u>312</u>
	<u>50,186</u>			<u>5,161</u>
<u>Non-Public Coll.</u>				
Augustana	1,436			364
Aurora	1,125	800(day)		875
Blackburn	399	400		51
Carthage	541	725		350
Coll. of St. Francis	598	200(resid)		150
Elmhurst	1,693	1,000		900
Eureka	310			90
George Williams	416			134
Greenville	718	800		82
Illinois College	526	800		
Knox	1,140	1,250		10
Lake Forest	1,225	1,270		
MacMurray	971		1,100(1965) 1,200(1971)	47
McKendree	449	600		51
Monmouth	891	1,200		309
Mundelein	1,226	1,350		100
Nat. Coll. of Ed.	636	500(U.G.)		None
North Central	1,138		1,500(1974)	200
Principia	551	500		
Quincy	856			394
Rockford	1,346		1,200(day)	600
Rosary	978	900(U.G.)		
St. Procopius	656	1,000		100
St. Xavier	1,199		1,500(1972) 550(1970)	1,000 120
Shimer	280			
Wheaton	<u>1,913</u>	<u>1,600</u>		<u>5,927</u>
	<u>23,217</u>			

1/ College of Engineering only.

2/ Figure refers to full-time students; 1,000 of these are to be graduate students.

3/ 400 in Sch. of Medicine by 1968; 480 in Sch. of Nursing by 1966; 480 in Sch. of Dentistry by 1970.

4/ Refers to Evanston Campus only.

(Table 1 - cont.)

Institution	Enrollment Fall, 1962	Enrollment Ceiling Now in Effect	Future Enrollment Ceiling and Date Effective	Additional Enrollment Possible, Fall, 1962
<u>Non-Public 2-Yr. Coll.</u>				
Kendall	404		1,000(1970)	346
Lincoln	473		750(1975)	2
Monticello	229	325		
St. Bede	114	120		
Springfield	703			297
	<u>1,923</u>			<u>645</u>
TOTAL				11,733
Non-Public Inst.	75,326			
GRAND TOTAL				23,602
All Institutions	178,246			

These enrollments are taken from the Froelich Report (Enrollments in Institutions of Higher Learning in the State of Illinois 1958-1962, dated November 15, 1962). They differ from the enrollments used by Committee A in that these are "on-campus" only, whereas those in Committee A include extension students. For the purposes of this table "on-campus" enrollment is more significantly related to building capacity.

PROJECTED ENROLLMENTS TO 1965 AND 1970 IF BUILDING PLANS ARE COMPLETED

The Committee asked the respondents also to estimate what the enrollment of their particular institutions would likely be by 1965, 1970, and 1975, provided they were able to complete their projected building plans.

The Committee received 38 usable replies showing the 1965 estimates on 40 campuses. (See Table 2.) The 1962 enrollment of these 40 campuses was, according to Froehlich, 113,395. With buildings under construction and/or financed, these same institutions estimated that their enrollments would total 149,413 by 1965, an increase of 31.6%. The State Universities indicated an increase from 67,394 in 1962 to 92,258 in 1965, an increase of 24,864. Thirty-four estimates for the year 1970 were received. In order to have a comparable sample, the enrollment of the remaining six campuses not reporting in 1970 but reporting in 1965 were assumed to remain the same. The results gave an increase of 70.9% over that of 1962. The 18 estimates for 1975 constituted, the Committee concluded, too small a sample to be used.

These estimated increases may be compared with the projections of Committee A which indicate the need for an expansion of 19.4% between 1962 and 1965, and of 69.4% between 1962 and 1970. Apparently no one can accuse these institutions of making "too little" plans; whether or not they are "too late" remains to be seen.

It is significant also that the tax-supported institutions are planning a much more rapid increase than the private institutions: 36.5% versus 21.6% by 1965, and 86.0% versus 39.9% during the 8 years of 1962-1970. The assumption is justified that the tax-supported institutions will expand in enrollment faster than the non-tax-supported.

Table 2. Projected Enrollments of Illinois Colleges and Universities
for 1965 and 1970 (If Building Plans are Completed).

<u>Institution</u>	<u>Enrollment</u>		
	<u>Actual for 1962</u>	<u>Projected for 1965*</u>	<u>1970*</u>
<u>State Universities</u>			
Eastern	3,435	5,000	6,500
Illinois State Normal	6,015	6,500	8,000
Northern	9,137	15,000	22,000
Southern-Carbondale	11,619	14,691	16,343
Southern-Edwardsville	4,625	9,914	21,414
U. of I.- Champaign	24,169	27,000	27,000 <u>1/</u>
U. of I.- Navy Pier	4,597	9,000	20,000
Western	3,797	5,153	6,045
TOTAL-State Universities	67,394	92,258	127,302
<u>Public 2-Yr. Colleges</u>			
Canton	469	469	800
Chicago-Wilson	4,866	5,500	5,500
LaSalle-Peru	398	700	700 <u>1/</u>
Danville	554	1,000	1,000 <u>1/</u>
CCJC-Loop Branch	2,479	4,000	6,500
Mt. Vernon	343	500	500 <u>1/</u>
TOTAL-Public 2-Yr. Coll.	9,109	12,169	15,000
TOTAL			
Public Institutions	76,503	104,427	142,302
Percent Increase - 1965 over 1962		36.5%	
Percent Increase - 1970 over 1962			86.0%
<u>Non-Public Universities</u>			
DePaul	8,187	9,520	10,900
Illinois Wesleyan	1,181	1,300	1,500
Loyola	9,955	13,000	15,000
Millikin	1,918	2,118	2,318
TOTAL-Non-Public Univ.	21,241	25,938	29,718

* Projections here were made by the institutions themselves.
1/No estimates given by institution. Value for enrollment assumed
to be the same as in 1965.

(Table 2 - cont.)

Institution	Enrollment		
	Actual for 1962	Projected for 1965*	1970*
<u>Non-Public Colleges</u>			
Augustana	1,436	1,400	1,700
Aurora	1,125	2,000	2,000
Carthage	541	650	725
College of St. Francis	598	800	1,000
Eureka	310	450	700
George Williams	416	750	1,000
Greenville	718	1,000	1,000
Knox	1,140	1,250	1,250
MacMurray	971	1,100	1,100
McKendree	449	600	900
Mundelein	1,226	1,350	1,500
Nat'l Coll. of Education	636	600	750
North Central	1,138	1,000	1,300
St. Procopius	656	750	850
Shimer	280	400	500
Illinois College	526	700	800
Lake Forest	1,225	1,270	1,270 <u>1/</u>
Principia	551	650	650 <u>1/</u>
TOTAL-Non-Public Coll.	13,942	16,720	18,995
<u>Non-Public 2-Yr. Colleges</u>			
Kendall	404	750	1,000
Lincoln	473	550	600
Springfield J. C.	703	703	1,000
Monticello	229	325	450
TOTAL-Non-Pub. 2-Yr. Coll.	1,809	2,328	3,050
TOTAL			
All Non-Public Inst.	36,992	44,986	51,763
Percent Increase - 1965 over 1962		21.6%	
Percent Increase - 1970 over 1962			39.9%
GRAND TOTAL -			
All Institutions	113,495	149,413	194,065
Percent Increase - 1965 over 1962		31.6%	
Percent Increase - 1970 over 1962			70.9%

NOTE: A number of institutions are not reported because their replies failed to give projected estimates or were unusable responses.

* Projections here were made by the institutions themselves.

1/No estimates given by institution. Value for enrollment assumed to be the same as in 1965.

PROJECTED BUILDING PLANS

The questionnaire included an inquiry concerning the building plans of colleges and universities for the 1962-1965 period, the 1965-1970 period, and the 1970-1975 period. Very few of the institutions dared to project building plans for 1970-1975, and this part of the inquiry is therefore omitted in this report.

Answers for the other two periods from the 68 institutions that responded are presented, by categories of institutions, in Table 3.

In summary, it appears that a very extensive building program is being projected by both public and private colleges and universities for both academic and non-academic buildings, and for both the 1962-1965 and 1965-70 periods. This inquiry did not include any question as to the size or cost of these buildings, but it is evident that college administrators and their boards of trustees are aware of the pressure for additional space and that by the erection of these 171 new buildings by 1965 and an additional 174 by 1970 they are getting ready for the 161,000 added students which according to Committee A will be enrolled by 1970.

It is interesting to note, also, that the greater proportion of these projected buildings are academic (198) rather than non-academic (147). It is also apparent that many of these buildings are now in actual use, for 62 were in process of construction in the fall of 1962, and 45 more were planned and financed at that time.

Of the 171 buildings planned for completion by 1965, nearly half (87) are on State University campuses. More detail concerning these buildings is given in the next section. This same ratio holds for the 1965-1970 period in spite of the fact that no report was made for the

Urbana campus of the University of Illinois (1965-1970 plans for Urbana dependent upon Master Plan Study). About 44% of the buildings for 1962-1965 are being planned by the non-public institutions.

There seems to be no doubt but that the colleges and universities of Illinois, both private and public, are taking seriously the challenge of the prospective increase in the demand for a college education, and are preparing, at least in planning, to meet it "with all deliberate speed."

EFFECT OF THE STATE UNIVERSITIES BOND ISSUE ON BUILDING PLANS

The question as to just how many additional students these projected buildings mentioned in Section I will accommodate is partially answered by another inquiry directed, this time, only to the State Universities. Each was asked to indicate the number and type of building, and the size and cost of each, which will be erected as a result of the approval by the voters in 1960 of the \$195,000,000 bond issue, and the approximate number of additional students which this will enable each University to enroll. The results are given in Table 4.

It appears that according to these estimates the six State Universities will be able to accommodate an additional 26,241 students by 1965, an increase of 38.9%, which is very similar to the expected increases (24,864) they reported in Table 2. In doing so, they will use a substantial part of the \$195,000,000 bond issue money plus some \$67,500,000 of other funds (derived mostly from revenue bonds and from Federal government grants), and will build over 9,500,000 square

feet of floor space, or some 368 square feet per student. This includes, it should be realized, not only "teaching space" for undergraduates, but a great deal of specialized space to be used for graduate and faculty research, and much space for offices, for housing, for food and health services, and for athletics, physical education, and recreation.

It is of interest to note that costs per square foot within the Universities ranged from \$17.60 to \$34.24, with a median cost of \$22.53. However, the top figure of \$34.24 included moveable equipment costs, which the others excluded. It should also be observed that the cost per square foot shown here is an average, taking all types of buildings together.

Table 3. Building Plans of Illinois Colleges and Universities for 1962-1965 and 1965-1970.

Respondents were instructed to use the following code for indicating the present status of buildings:

- a. Under construction
- b. Planned and financed -- money in hand or appropriated
- c. Planned, and financing assured, i.e. the building is in the general campus plan and money has been promised. (No state institution should use "c" for buildings for which it eventually expects state financing.)
- d. Planned (in general campus development, but financing is not yet assured).

	1962-65			1965-70		
	Academic	Non-Acad.	Total	Academic	Non-Acad.	Total
State	a. 20	17	37	0	0	0
Univer-	b. 23	14	37	2	2	4
sities	c. 2	2	4	0	0	0
	d. 4	5	9	43	35	84
TOTAL	49	38	87	51	37	88
Public	a. 3	0	3	0	0	0
2-Year	b. 0	0	0	0	0	0
Coll.	c. 4	0	4	0	0	0
	d. 2	0	2	1	0	1
TOTAL	9	0	9	1	0	1
Non-	a. 2	3	5	0	0	0
Public	b. 0	2	2	0	0	0
Univer-	c. 1	0	1	12	4	16
sities	d. 1	3	4	3	1	4
TOTAL	7 1/	9 1/	16 1/	16 1/	7 1/	23 1/
Non-	a. 7	7	14	0	0	0
Public	b. 4	2	5	0	0	0
Coll.	c. 4	7	11	0	0	0
	d. 11	13	24	32	21	53
TOTAL	26	29	55	32	21	53
Non-	a. 2	1	3	0	0	0
Public	b. 0	0	0	0	0	0
2-Year	c. 0	0	0	0	0	0
Coll.	d. 1	0	1	4	5	9
TOTAL	3	1	4	4	5	9
TOTAL PUBLIC	58	38	96	52	37	89
TOTAL NON-PUB.	36	39	75	52	33	85
GRAND TOTAL	94	77	171	104	70	174

1/These totals include three academic and one non-academic for 1962-65 and one academic and two non-academic for 1965-70 (Illinois Institute of Technology)which were not designated as either a,b,c, or d.

Footnotes, Table 3:

The report from one college was not identified.

All of the six state universities reported for 1962-1965, all but the University of Illinois, Urbana-Champaign, reported for 1965-1970, and only Northern and Western reported for 1970-1975.

Both of the public teachers colleges returned replies but indicated no building plans.

Of the public two-year colleges, all of the 23 reported except Centralia, Crane and Fenger branches of the Chicago City Junior College.

All of the nine non-public universities reported except the University of Chicago.

All of the 31 non-public colleges reported except Concordia Teachers, Elmhurst, North Park College and Theological Seminary, and Olivet Nazarene.

All of the five non-public two-year colleges reported.

Of the 76 colleges and universities in the State of Illinois, 68 reported.

Table 4. Data Regarding Buildings at the Eight State University Campuses Which Will Be Erected
1962-1965 with 1960 Bond Issue and Other Funds.

Insti- tution	No. Bldgs.	Funds from		Total Funds	1962		Antici- pated Enroll'mt	Increase in Enroll'mt
		Bond Issue	Other Sources(1)		Sq. Ft.	Cost Per Sq. Ft.		
EU	5	6,000,000	1,300,000	7,300,000	349,245	20.90	3,435	6,000 2,565
ISNU	12	12,344,744	6,659,503	19,004,247	1,079,766	17.60	6,015	8,000 1,985
NIU	14	12,917,000	15,700,000	28,617,000	1,333,845	21.45	9,137	14,500 5,363
SIU	8	21,538,462	9,404,230	30,942,692	1,373,639	22.53	11,619	14,469 2,850
Carb.								
SIU	5	20,680,945	5,971,000	26,651,945	830,778	32.08	4,625	9,713 5,088
Edw.								
U of I	30	68,541,265	8,814,918	77,356,183	2,259,099	34.24(3)	24,169	26,800 2,631
U.-C.								
U of I	8	34,611,036	9,723,697	44,334,733	1,478,652	29.98	4,597	9,000 4,403
Chi.								
WIU	10	5,576,000	9,983,671	15,559,671	828,156	18.79	3,297	5,153 1,356
TOTAL	92	182,209,452(2)	67,557,019	249,766,471	9,533,180	22.53 (Median)	67,394	93,635 26,241

Percent Increase

38.9%

- (1) It is not assumed that this list is complete for each university.
- (2) The remainder of the \$195,000,000 is being used for the rehabilitation of existing structures, and for the purchase of land, etc.
- (3) Includes moveable equipment costs.

SECTION II

UTILIZATION OF EXISTING SPACE

This section reports on the inventory and utilization of all space at each institution and represents the conditions that existed as of the third week of the fall term 1962. Due to the date of this data collection, very few, if any, of the buildings to be supplied by the Bond Issue were reported, since construction of these buildings was not completed. Thus, these data give a very good indication of the degree to which institutions may utilize their facilities. The data on each institution were collected by a member of the institution and the summarized schedules were prepared by Committee I - Physical Facilities. During the summarization any discrepancies that were found in the data were rectified by telephone conversations between members of the Committee and the member of the institution that completed the original data. It must be recognized that the information in this report was prepared by many people, some of whom were quite experienced in reporting on space utilization data and some of whom were reporting on space utilization for the first time. It is the opinion of the Committee that the data as reported are reasonably reliable and accurate.

This section of the report is arranged giving the analysis of the data obtained in the beginning, with references being made to schedules and normative data and graphs that are at the end of the report. Seventy-six institutions were invited to participate in the Master Plan Study; fifty-six institutions had sent data in time to be

included in this report. Of the fifty-six institutions, fifty-eight sets of data are supplied, as the University of Illinois is divided into the Urbana-Champaign campus and the Chicago campus, and Southern Illinois University is divided into the Carbondale campus and the Edwardsville campus. The study does not include space in agricultural field buildings, airport buildings, and buildings of the medical, dental or pharmacy colleges. Since the preparation of this report, additional data have been obtained from three other institutions, and if at all possible, these will be included in the final report.

In preparing the summary schedules, it was determined that some institutions share their facilities with high schools. As such, these data distort the mean and median values. The decision was made to record all data on these institutions in a separate category titled "Institutions with Shared Facilities." Data on these institutions are given at the end of each schedule, but not in the totals.

TOTAL FACILITIES AT EACH INSTITUTION

Schedules A1 and A2 give data on the gross non-residential space at each institution. This space is the total space at the institution less the residence halls for single and married students.

Schedule A1 categorizes this total space by permanency rating according to the following schedule:

- Al. A permanent masonry, fire resistant building that is part of the major campus plan and will require only normal maintenance.
- A2. A permanent masonry and frame building (masonry facing and wood framing) that is part of the major campus plan and will require only normal maintenance.

- A3. A permanent frame building that is part of the major campus plan and will require only normal maintenance.
 - A4. A permanent building not listed above that is part of the major campus plan but which will require extensive remodeling in the next 10 years (above \$5.00 per square foot).
 - A5. A building that is part of the major campus plan but does not fit categories on preceding page.
- B. A building not in the campus plan that will be retained for 10 years although it may be on a future building site.
 - C. A building which is planned to be retained for less than 10 years.

Probably the most significant permanency ratings in this schedule are those of the "A4" and "C" rating. The "A4" category indicates that space which will require extensive remodeling - 1,260,409 square feet in the case of the State-supported institutions, and 230,607 square feet in the remaining institutions. Some of this space is to be remodeled using monies of the Bond Issue, but undoubtedly additional monies will be required for the remodeling that will be proposed in the next 10 years.

The "C" category indicates that space which will not be retained beyond 10 years. The total "C" space is 1,747,923 square feet, which is quite high. This is due to the space at Navy Pier being reported as "C" space as this will be returned to the City of Chicago after Congress Circle is completed, and the space at the Alton Center and the East St. Louis Center being reported as "C" space and which Southern Illinois University tentatively plans to release after the

Edwardsville campus is completed. After these two values are subtracted, the remaining "C" space that must be replaced in 10 years is 1,005,434 square feet.

Schedule A2 gives the same data as Schedule A1, but indicates the percentage of each type of space by permanency rating. Permanency rating "A5" in general denotes leased space.

SPACE BY FUNCTION

Schedules B1 and B2 give data on net non-residential building space by function as reported by the various institutions. The classifications by function include that space which is allocated to: 1) classrooms and service to classrooms; 2) teaching laboratories and service to teaching laboratories; 3) gymnasium, pool, and drill hall space with accompanying service areas; 4) offices, including conference, storage and files; 5) library; 6) research; 7) and other. The "Other" category may be best described by stating that it includes all other non-residential space at the institution except the six specified categories. In some institutions this includes laboratory school space, exhibit and museum space, warehouse space, athletic association space, publishing company space, etc.

Schedule B1 gives the total square footage by function and Schedule B2 gives the percentage of the building space allocated by function. The data show that the sum of the percent of building space allocated to classrooms and teaching laboratories varies from 20.3% to 27.5% for all of the State Universities with the exception of the University of Illinois, Navy Pier and Western Illinois University, which are 33.8% and 32.6% respectively. No explanation is apparent for these schools other than some of the programs offered must require large amounts of laboratory

space. In examining Schedule B2, the percent of building space allocated to the function of "Other" is very high in the four State Universities under the Teachers College Board. This is due to laboratory schools being included in this category. Some of the State Universities have a very large program involving the laboratory schools, which reflect a greater percentage of the total space. The percentage of total space that is allocated to the laboratory school for the State Universities is shown below:

	Percent of "Other" Space Allocated To: Laboratory Schools	Remaining
Eastern Illinois University	38.8	18.8
Illinois State Normal University	30.4	23.6
Northern Illinois University	21.4	29.3
Southern Illinois University-Carbondale	8.2	23.8
Southern Illinois University-Edwardsville	----	45.7
University of Illinois, Urbana-Champaign	0.7	16.0
University of Illinois, Navy Pier	----	24.2
Western Illinois University	22.8	16.4

Also, an examination of the percent of office space for these Teachers College Board Universities indicates that the value is quite low. A further check reveals that in many cases offices were a part of the classrooms in the laboratory schools and were included within the total figure. This would indicate that any type of standard or factor proposed for office space on the basis of full-time equivalent staff should treat separately those personnel housed in the laboratory school.

These data also indicate that the type of program offered at an institution defines the allocation of space by function. For example, the University of Illinois, Urbana-Champaign with its comprehensive research program shows 22% of the space allocated for that function whereas the institutions with comprehensive programs in teacher education show as much or more of their space allocated for the laboratory school function.

CLASSROOM UTILIZATION

Schedules C1 through C7 give data on classroom utilization at all of the institutions. Schedule C1 gives the summary of the total area devoted to classrooms and service area to classrooms at each institution, and gives the average room period usage per week and total student clockhour usage per week over the periods of time from 7AM to 5PM, and 5PM to 10PM. This division was made to indicate the degree of evening usage in all of the institutions and to clearly designate those institutions within the State that have a heavy evening program. In this schedule, data are given on the square feet per station at each of the institutions. The mean values by groups of institutions and by the State as a whole are given. The square feet per station vary from 10.5 to 25.0 with a mean value of 16.0 for all of the institutions. The schedule also gives the square feet per enrolled student. It is interesting to note that these values do not show the great variation between institutions indicated by the percentage distribution of classroom space in Schedule B2. This may be interpreted to mean that classroom space arrangements and amount required per student are very similar in all institutions regardless of size or educational program.

Schedule C2 gives the average room period usage per week of classrooms for the period 7AM to 5PM, Monday through Friday, and 7AM to 12 Noon on Saturday. This usage will be referred to as 7AM to 5PM usage (and represents a 55-hour week). Also included in Schedule C2 is the weighted room period usage from 5PM to 10PM as a percentage of the 7AM to 5PM usage, which is determined by the following formula:

$$\frac{\text{5PM-10PM usage}}{\text{7AM-5PM usage}} \times \frac{55}{25} \times 100\% = \text{weighted room period usage}$$

where 55 and 25 are the maximum number of hours available in the 7AM-5PM and 5-10PM periods respectively. Note that these percentages indicate only the relationship of evening to day classes at each institution and therefore are not a measure of efficiency. A value of 100 percent indicates the same degree of scheduling in the evening as in the daytime. In the State Universities these percentages vary from 0% at the University of Illinois, Navy Pier, to 120.0% at Southern Illinois University, Edwardsville. The former reflects a policy decision to offer no evening classes; the latter reflects a commuter-oriented program.

The data show that Northern Illinois University and Southern Illinois University - Carbondale schedule their classroom facilities in the evening to an intensity of approximately 55% of the daytime scheduling. This indicates that it has been possible to schedule evening classes at residential-type institutions on an average of about seven room periods per week. The fact that an institution schedules classes in the evening does not necessarily mean that the facilities are scheduled the most efficiently during the day. For example, in the State Universities, Southern Illinois University - Carbondale has an average room period usage 7AM-5PM of 25.6 and Northern Illinois University has an average room period usage of 27.1, whereas the University of Illinois - Urbana-Champaign with a value of 31.1, University of Illinois - Navy Pier with a value of 33.7, and Western Illinois University with a value of 27.6 all show better room period usage per week during the 7AM-5PM period. With the

exception of Northern Illinois University, the University of Illinois - Navy Pier with an average room period usage of 33.7 hours per week from 7AM-5PM and no evening classes has a higher scheduled usage of classrooms than the total usage for any of the other State Universities that conducted evening classes, the total for Eastern Illinois University being 26.3; Illinois State Normal 29.7; Northern Illinois University 33.9; Southern Illinois University - Carbondale 32.1; Southern Illinois University - Edwardsville 29.6; University of Illinois - Urbana-Champaign 32.3; and Western Illinois University 29.5. Wright Junior College reported the maximum average room period usage of any institution in the State - 38.9 hours per week from 7AM to 5PM and almost an equal percentage of scheduling during the 5PM to 10PM period. The mean room period usage for the entire State was 21.2 hours per week. Tables of normative data (Doi and Scott - July, 1960) on usage of classrooms and laboratories are presented on pages N1-5 for comparison with values reported by Illinois institutions in this report. Only data at the 50th percentile and above are shown. In referring to these tables of normative data it should be kept in mind that they are based on only that classroom and laboratory area used for instruction, whereas the values submitted in this report also include service areas. (Projection booths, preparation rooms, etc.) Accordingly, the values for the institutions in Illinois will be higher in any normative data that involves square footage. Normative data for room period usage appear on page N-2. As these data are given for three sizes of institutions, it is difficult to give one value that will be

applicable to all sizes. Hence, each institution can determine its position in relation to the normative data by examining the appropriate column.

From an examination of the normative data it would appear that classroom scheduling at some institutions could be higher, but it must also be kept in mind that increased usage of classrooms will require more teaching staff which will generate a need for office, library, research space, etc., in addition to that already provided. An examination of Schedule B2 will indicate that these categories of space vary from 28 percent to 60 percent of the total net non-residential space, and thus an increase in scheduling of classrooms by 20 percent may mean an additional increase of total net non-residential space by approximately 5 percent to 12 percent.

Schedule C3 gives the average number of student hours per week per station in classrooms from 7AM to 5PM. This schedule gives the number of hours per week that each classroom would be used if every station in the classroom were used when it was scheduled. This schedule can be greatly influenced by the manner in which the number of stations per classroom is reported. In some cases an examination of the data supplied indicated that although a classroom was listed as having a capacity of 30, at some times as many as 40 students were scheduled in the room. If this occurred to a great extent, the data in Schedule C3 would appear to be quite high. Another interpretation of this schedule is that if the number of stations represented is assumed to be correct, the classrooms are much too

large for the size class being taught. Normative data on student hours per week per station are given on page N-2 at end of report.

Schedule C4 is a combination of both Schedules C2 and C3 in that it gives the percent of student stations in use when the rooms were in use. These data indicate that it is possible to utilize 80% of the stations when the room is in use, but with a median value of 55.9% and an average value of 56.4%, the 80% value appears to be a higher planning figure than can be normally achieved and may be undesirably high utilization. Normative data on percentage of student stations used when rooms were actually in use are given on page N-3 at end of report.

Schedule C2 has shown the degree to which classrooms can be scheduled throughout the week, and Schedule C3 and C4 indicate how well the rooms were utilized when they were in use. Schedule C5 gives the square feet of assignable floor space per 100 hours of student occupancy from 7AM to 5PM. This schedule gives a good index of the classroom scheduling and utilization in one number. For example, a room having 600 square feet of floor area scheduled 30 hours per week with an average class size of 20 would yield the result of 100 square feet per 100 hours of student occupancy. However, if there were two rooms of 600 square feet of area and one was equipped with 30 stations and the other room with 40 stations, the data in Schedules C2, C3, C4, and C5 would be presented as follows:

Room	A	B
Area Square Feet	600	600
Number of Stations	30	40
Average Class Size	20	20
Schedule C2 - Room Periods Per Week	30	30
Schedule C3 - Student Hours Per Station	20	15
Schedule C4 - Percent of Stations in Use When Room is in Use	67	50
Schedule C5 - Square Feet of Assignable Floor Space Per 100 Hours of Student Occupancy	100	100

The above tabulation shows the manner in which Schedules C3 and C4 may be influenced by the number of stations in a room, whereas the data in Schedules C2 and C4 give the same values in both cases. Furthermore, the value of assignable floor space per 100 hours of student occupancy is very useful in projecting the future classroom space requirements for institutions if the number of student clockhours in classrooms is known. The lower the value of square feet of assignable floor space per 100 hours of student occupancy, the more efficient is the utilization of the space. The median for the entire State is 128 square feet per 100 student clockhours and the mean is 149 square feet per 100 student clockhours. The mean for the State Universities is 108 square feet per 100 student clockhours. This value agrees very closely to the value of 110 square feet per 100 student clockhours that was given for the State Universities in Ohio in a report titled, "Ten Year Building Needs for Higher Education in Ohio 1962-72," by John Jamrich and Harold Dahnke. Normative data on the square feet of assignable space per 100 hours of occupancy of classrooms are given on page N-3 at end of report.

As mentioned previously, the value of square feet per student clockhour gives in one number an index which includes both the scheduled usage and the station utilization. For example, let us again consider the 600 square foot classroom. If this room had 36 stations and was scheduled 36 hours per week with 50 percent of the stations utilized, the value would be 92.5 square feet per 100 student clockhours.

$$\left(\frac{600}{((36 \times .5) \times 30)} \times 100 = 92.5 \text{ feet per 100 student clockhours} \right)$$

On the other hand, if this same room were scheduled only 30 hours per week, but the stations were utilized 67 percent, the square feet per 100 student clockhours would be 83.3 square feet per 100 student clockhours, more effective utilization than the previous example.

$$\left(\frac{600}{((36 \times .67) \times 30)} \times 100 = 83.3 \text{ feet per 100 student clockhours} \right)$$

In examining the data in Schedule C5, the values range from 356 square feet to 60 square feet per 100 student clockhours. The 60 value is for Wright Junior College and the next lowest value is 84, which has been attained by both Northern Illinois University and the University of Illinois - Urbana-Champaign. This usage indicates that about the best overall usage obtained by institutions in the State of Illinois is equivalent to 30 hours per week scheduling and 67 percent of station utilization. If these values were selected in the State of Illinois, planning of classrooms would be based upon a standard of 83.3 square feet per 100 student clockhours of classroom instruction. (Data from other states indicate that the State of Wisconsin has

selected 30 hours per week scheduled usage in classrooms with 67 percent of stations being utilized and the State of California has selected 30 hours per week scheduled usage in classrooms with 60 percent of stations being utilized.)

Data are also given on the assignable floor space per 100 student clockhours of occupancy by the size of room. The values fluctuate over the range from sizes within institutions. This is probably because classrooms have been constructed in sizes not compatible with the teaching program that is presently being conducted.

Schedule C6 gives the average room period usage of classrooms by room size and can be used in conjunction with Schedule C5. It is interesting to note that although the rooms 251 and above were scheduled fewer periods than some of the other rooms, the square feet per 100 student clockhours of occupancy is still comparable. For example, at the University of Illinois - Urbana-Champaign, the rooms 251 and over were scheduled only 25.8 hours per week and the rooms 1-30 were scheduled 31.5 hours per week. The square feet per 100 student clockhours for the rooms 251 and over were 79 and for the rooms 1-30, the value was 84. This can be attributed to the smaller amount of space per station required in the larger rooms; however, the stations in the larger rooms must be utilized to at least the same degree as in the smaller rooms.

Schedule C7 gives the distribution of class period meetings per week by the class size for all of the institutions. The data are arranged to give an accumulated percentage for the classes. It is

interesting to note that in almost all cases approximately 80 percent of the classroom instruction is conducted in class sizes of 40 and under. These data can very well be used by institutions to indicate the classroom sizes required for their teaching program.

GRAPHICAL REPRESENTATION OF CLASSROOM DATA

A graphical representation of the data in Schedules C5 and C7 is given for the State Institutions in Figures 1-1 through 1-8. Graph A is presented to give an indication of the fit of the actual classroom size with the actual class size at the institution. The "Class Size" curve is obtained from the data of Schedule C7; and referring to the data on Eastern Illinois University as an example, 7.2% of the classes are between 1 and 10 in size and 33.6% of the classes are in class sizes of 1 to 20. Thus these values are cumulative values, and reading this curve, it can be determined that 72.3% of the classes offered at Eastern Illinois University are of a class size of 30 and under. This curve ("Class Size") then represents the teaching program at the University, and indicates that 72.3% of the classrooms constructed at the University should be for a class size of 30 and under.

The other curve titled "Capacity" illustrates the distribution of the classrooms on the campus by capacity. In theory, if the geographical location of the classroom on the campus were such that the time between classes presented no problem in going from one classroom to the other, and if it were possible to schedule all of the classrooms equally with the small classes in the small classrooms, and if the classroom capacity were exactly filled at each

time, the two curves would appear as one. However, if the capacity of the classroom is greater than the actual class size, the "Capacity" curve will be shifted to the right. In the example of Eastern Illinois University, the "fit" is such that by the time all 30 size classes are scheduled, all 38 station classrooms will be used.

As mentioned before, a large gap between these two curves would normally suggest that more efficient classroom utilization could be effected by subdividing classrooms of larger capacity. However, additional investigations may be necessary to determine if the number of stations has been reported correctly, because if an institution has reported the classroom capacity as a given number of stations per room and then scheduled a larger number of students in that room at various times, these two curves would appear to be much closer.

To determine if there is excessive crowding, Graphs B and C are presented to give the square feet per student clockhour of instruction. If there is excessive crowding, a small value for square feet per student clockhour of instruction will be shown. The information given on Graph B is the amount of square feet per student clockhour of instruction for the various sizes of classrooms. These data are obtained from Schedule C5 and are shown as a point-to-point curve illustrating the usage for the various room sizes. An extreme variation to the right on this curve indicates a poor usage of that group of rooms, and it may be well for the institution to determine if some alterations in size should be made to this group of rooms. Graph C gives a cumulative percentage for each of the rooms and the end point indicates the overall classroom operation of the institution.

The data for Figure 2-1 are obtained from Schedule C5 and represent the square feet per 100 student clockhours of occupancy for each institution by group. The average for each group is given by a dashed line and the average for the entire State is shown at the top of the page.

In summary, it is believed that a standard of "square feet of assignable floor space per 100 hours of student occupancy" could be used to project the total classroom needs of an institution and the size of rooms could be predicted by the data supplied in Schedule C7, or Graph A for that institution.

TEACHING LABORATORY UTILIZATION

Schedule D1 gives a summary of the total teaching laboratory space and utilization of that space during the periods of 7AM-5PM and 5PM to 10PM. The total area includes all service areas, animal rooms, greenhouses and animal stalls, if applicable, in addition to the actual laboratory area that is used for instruction. Included in this summary are the square feet per station and the square feet per student for each institution. There does not appear to be any correlation between square feet per student and square feet per station. This is probably due to the varied type of programs that are conducted by each institution.

Schedule D2 gives the average room period usage per week of teaching laboratories for the period of 7AM to 5PM and the weighted usage 5PM to 10PM in terms of the 7AM to 5PM usage. It is readily apparent that teaching laboratories are not scheduled as heavily as the classrooms. This is to be expected, as a teaching laboratory is

generally space that has special equipment installed and often is used only by the department to which it is assigned. Wright Junior College reported the maximum usage of 30.4 hours per week and the State average is 14.3 hours per week with the median being 13.3. The State of Wisconsin uses 24 hours per week usage with 80 percent of stations utilized as their planning standards for teaching laboratories and the State of California is using 20 hours per week usage with 80 percent utilization. This schedule again shows that Northern Illinois University and Southern Illinois University conducted the largest amount of evening classes within the residential State Universities. Normative data are shown on page N-4.

Schedule D3 gives the average number of student hours per week per station in teaching laboratories. This indicates the number of hours per week that a laboratory would have been scheduled if every station in the laboratory were occupied. Normative data are shown on page N-4.

Schedule D4 gives the percent of student stations in use when the teaching laboratories were in use over the period of 7AM to 5PM. A comparison of this schedule with Schedule C4 shows that the station utilization in laboratories is much higher than in classrooms. This is to be expected as the laboratories, being much more specialized, are designed for a given size section, and, in general, the section is completely filled before a new section is opened. From these data it would appear that it would not be unreasonable to set as a standard 80% of the stations being utilized when in use. Normative data are shown on page N-5.

Schedule D5 gives the square feet of assignable floor space per 100 hours of teaching laboratory occupancy. This assembles into one index both the scheduling and the utilization of the space when scheduled as depicted in Schedules D2, D3, and D4. As can be determined, the values vary over quite a range. This could be expected as the type of program offered could influence the type of laboratory space required. For example, a drafting room which is normally for lower level (Freshmen-Sophomore) work may require only 170 square feet per 100 student clockhours of instruction, whereas a mechanical engineering power laboratory for upper level (Junior-Senior) students may require as much as a thousand square feet per 100 student clockhours of instruction. Normative data are shown on page N-5. As mentioned before, these normative data give information on the laboratory space only and do not include the auxiliary space. In some institutions the auxiliary space may run as high as 40 percent of the actual instructional laboratory space.

A recent report on the "Ten Year Building Needs for Higher Education in Ohio 1962-72," by John Jamrich and Harold Dahnke gives the following data and recommendations on laboratory space (auxiliary space not included). The present laboratory space per student clockhour of instruction is 4.6. In 1966 this should be reduced to 4.0 and subsequently in 1972 this should be reduced to 3.0. This point is made to indicate how another state is making plans for teaching laboratory space. This method may be applicable to the State of Illinois. However, it is the opinion of the Committee I - Physical Facilities that some attempt should be made to determine

laboratory space requirements based upon subject field (engineering, biological sciences, physical sciences, etc.) and level of instruction (Freshmen-Sophomore, Junior-Senior, and Graduate) before adopting any standards.

OFFICE SPACE

Schedule F1 gives a summary of the total office space (including file, storage and conference space) and the classification of the occupants within that space. In general, where the institutions separated the office space from the file, storage and conference space in their report, it was found that the file, storage and conference space comprised approximately 10 percent of the actual office space that was occupied by personnel. This schedule also gives the square feet per occupant, which for the State Universities varied from about 66 square feet to 127 square feet per occupant. These values include full-time academic, part-time faculty and graduate assistants, and non-academic staff. Southern Illinois University - Carbondale, and the University of Illinois - Urbana-Champaign, reported the largest number of part-time faculty and graduate assistants. Usually the graduate assistant is on a half-time appointment, and as such, it would take two part-time assistants to make a full-time equivalent. If the assumption were made that all the part-time faculty and graduate assistants were on half-time appointments and all other personnel were on full-time appointment, an average office space available for all classifications of staff on a full-time equivalent basis could be calculated. This would give

a new square foot per full-time equivalent which would be as tabulated below for the State Universities:

Eastern Illinois University	127.5
Illinois State Normal University	105.8
Northern Illinois University	110.8
Southern Illinois University - Carbondale	74.8
Southern Illinois University - Edwardsville	121.4
University of Illinois - Urbana-Champaign	118.8
University of Illinois - Navy Pier	107.7
Western Illinois University	128.8

Schedule F2 is a summary of the office area that is occupied by full-time academic personnel only. These data were obtained from each institution's report by checking each room and recording data for those rooms which contained only full-time academic personnel. The philosophy for this action was the theory that those offices containing only academic personnel with no graduate assistants or non-academic personnel within them would be in all probability the best conditions that an institution could provide for its academic staff. The weighted mean value for the State Universities is 116 square feet per occupant. The weighted mean for all of the institutions is 115 square feet. The total area in Schedule F2 does not include any conference room, file or storage space, and as such, a factor should be added to this area per occupant to obtain a total value. If 10% were added to the weighted mean square feet per occupant value of the State Universities, the office space requirements would be 128 square feet per occupant. If the total State weighted mean value were used, the office space requirements would be 127 square feet per occupant.

Schedule F3 was obtained in the same manner as Schedule F2, but gives those offices occupied by part-time faculty and graduate assistants. This schedule is given to depict the office situation for this classification of faculty. For the State Universities the weighted mean of square feet per occupant is 54.8, and the mean is 88.5. Considering again that most of these are on half-time appointments, the weighted mean would indicate an office requirement of approximately 100 square feet per full-time equivalent. In comparing this with Schedule F2, it would appear that the office space requirements for part-time people could be calculated on a full-time equivalent basis similar to those that are on a full-time basis.

Schedule F4 gives the office area occupied by non-academic personnel. These data were obtained in the same manner as that for Schedule F2. For the State Universities, the weighted mean of the square feet per occupant is 97.4, and the mean value is 118. Again, the square feet per occupant do not include conference room, file and storage space requirements, which probably are higher in the non-academic offices than in the academic offices.

In examining Schedules F2, F3, and F4, it would appear that a common value of square feet per full-time equivalent could be used as a standard for office space requirements of all personnel at an institution. This standard should be large enough to include the space required for files, storage and conference rooms. Within an institution, once the boundary conditions of office space requirements are determined, any department or administrative unit

could occupy its space in any manner it desired. For example, the head could have a 250 square foot office, but this in turn would mean that some other staff member may only have an 80 square foot office or two people may be sharing a 150 square foot office.

Schedule F5 gives the distribution of office space for faculty and staff of academic departments by number of occupants per room. This schedule is offered to illustrate the degree of office crowding within each institution as it is generally recognized that it is desirable to have no more than two occupants per academic staff office. Throughout the State institutions the percentage distribution of rooms with occupants with three or more range from 7% to 42%. It must be remembered that a greater percent of the faculty is in the multiple-station offices than the data seem to indicate, as a 6% value of office rooms with four occupants in them is equivalent in the number of people officed to a 12% value in the offices with two occupants.

LIBRARY SPACE

Schedule G gives a summary of the library space at each institution by categories of stack and service area, reading and study area, and carrel area. Data on the number of bound volumes and the number of periodicals are also supplied.

In addition, the square footage of each of these categories of space per enrolled student is given. In re-examining Schedule G, it appears that probably a better tabulation on the stack and service area required would be to determine the area per number of

volumes as the stack area is dependent upon the volumes that exist at the institution. A tabulation of these values for the State Universities is given below:

<u>Institution</u>	<u>Sq.Ft./Bound Vol.</u>
Eastern Illinois University	.092
Illinois State Normal University	.111
Northern Illinois University	.100
Southern Illinois University - Carbondale	.087
Southern Illinois University - Edwardsville	.105
University of Illinois - Urbana-Champaign	.075
University of Illinois - Navy Pier	.148
Western Illinois University	.136

Data from the "Restudy of the Needs of California in Higher Education" indicate the following basis for calculating areas to house bound volumes, including work areas.

First 150,000 volumes	0.10 net sq. ft./volume
Second 150,000 volumes	0.09 " " " "
Next 300,000 volumes	0.08 " " " "
Next 400,000 volumes	0.07 " " " "
Second 1,000,000 volumes	0.05 " " " "

Applying these values to the State Universities the requirements for stack and service space would be:

	<u>No. of Bound Volumes</u>	<u>Sq. Ft. of Stack & Service Area</u>	
		<u>Required</u>	<u>Existing</u>
Eastern Illinois University	117,164	11,716	10,894
Illinois State Normal University	250,000	24,000	27,667
Northern Illinois University	177,615	17,485	17,907
Southern Illinois University Carbondale	764,500	64,015	67,142
Southern Illinois University Edwardsville	101,619	10,162	10,714
University of Illinois Urbana-Champaign	3,272,412	194,121	246,494
University of Illinois Navy Pier	140,883	14,038	20,857
Western Illinois University	113,500	11,350	15,245

SERVICE AND MAINTENANCE SPACE FOR BUILDINGS AND GROUPS

Schedule H gives a summary of the service and maintenance space for buildings and grounds at each institution. The schedule gives a tabulation on the service and maintenance space per student, but upon examining these values, there appears to be no correlation. Assuming that the service and maintenance space for buildings and grounds is required for both the residential and non-residential space, a tabulation of the total gross square feet of space at each of the State Universities was made and the percentage of this gross space that was service and maintenance space was calculated. This tabulation is shown below:

<u>Institution</u>	<u>Total Gross Sq.Ft. Incl. Residential Space</u>	<u>Service and Maintenance as a Percent of Gross Space</u>
Eastern Illinois University	698,623	1.7
Illinois State Normal University	1,479,217	2.0
Northern Illinois University	1,172,045	4.8
Southern Illinois University	2,781,510	1.1
Southern Illinois University Edwardsville	389,324	10.5
University of Illinois Urbana-Champaign	7,766,922	1.2
University of Illinois Navy Pier	539,410	5.1
Western Illinois University	<u>875,790</u>	<u>2.5</u>
	15,702,841	2.1%

The percentage varied from 1.1 to 10.5 but the two high values of 10.5 and 5.1 occurred at Southern Illinois University - Edwardsville and University of Illinois - Navy Pier, which are both non-residential, and this may explain these values.

DATA COLLECTED BUT NOT SUMMARIZED IN SCHEDULES AT THIS TIME

Data were collected on the categories of space listed below, but due to the shortage of time, were not reported separately in this preliminary report.

Gymnasium Space
Auditorium Space Not Used for Instruction
Student Union and Bookstore Space
Hospital and Health Service
Housing Facilities for Unmarried and Married Students

The areas of these facilities were included in those reports which gave data on total space at each institution.

CONCLUSION

In conclusion, it is the opinion of Committee I - Physical Facilities, that the space utilization study covering all categories of space was very fruitful. Although in many cases the measure of utilization has been with instructional space, the Committee wishes to state that this space comprises only a portion of the total non-residential space and any increase in utilization of this instructional space will probably need to be accompanied by a corresponding increase in the other categories of the space for the institution.

It is the opinion of the Committee that the use of "square feet per enrolled student" without differentiation as to area or level of instruction does not adequately indicate the space requirements of an institution.

It is also the opinion of the Committee that this space utilization survey should continue to be conducted on a biennial

basis for the State Universities and all institutions in the State that wish to participate, with every effort being made to obtain agreement on inventory and nomenclature of space with a goal toward obtaining space factors and indices to project space requirements for every category of space that may exist at a university.

SECTION III

FURTHER ADDITIONS AND PROCEDURES TO BE CONSIDERED BY COMMITTEE I - PHYSICAL FACILITIES

1. Approximately seven or eight additional basic sets of data will be presented and analyzed in the Committee's final report.
2. The letters of request to take part in the study and the instructions will be included in the final report.
3. Basic data, together with a copy of the final report, will be sent to all contributing institutions.
4. The Committee proposes to project future building requirements for the State Universities in terms of square footage required, taking into account the construction resulting from the Universities Bond Issue and the utilization of existing space as determined by the study. It may then attempt to determine the approximate total cost of such future construction.

**SCHEDULES
and
FIGURES**

SCHEDULE A1

DISTRIBUTION OF GROSS NON-RESIDENTIAL BUILDING SPACE BY PERMANENCY RATING

INSTITUTION	ENROLLMENT	TOTAL SPACE GROSS SQ.FT.	GROSS NON-RESIDENTIAL BUILDING SPACE BY PERMANENCY RATING					
			A-1	A-2	A-3	A-4	A-5	B
STATE UNIVERSITIES								
EASTERN ILL U	3435	502915	496315	2242	103909	3509	6600	57056
ILL STATE NORMAL U	6015	745322	582115	42975	119813	70254	19134	292615
NO ILL U	9137	668047	482616	85706	102124	93708	27186	264296
SO ILL U	11619	1623844	1073145	4134	61941	61941	281706	192860
SO ILL-ECKSVILLE	4625	389324	3617406	706925	70998	638413	539410	539410
U OF ILL	24169	5570249	539410	544712	239010	5700	296150	3852
U OF ILL-NAVY PIER	4597	544712	10583823□	6490607□	841982□	76698□	1260409□	1375823□
WESTERN ILL U	3797							
SUB-TOTAL								
PUBLIC TEACHERS COLLEGES								
CHGO TCH COLLEGE S	5727	218893	218893	80300	80300	299193□		
CHGO TCH COLLEGE N	1645	299193□						
SUB-TOTAL								
PUBLIC 2-YEAR COLLEGES								
CENTRALIA TWP JR C	465	3038	3156	2421	109541	109541		
CC JC AVONNSEN		3156	2421	7695	1149	55605	55605	
CC JC BCGAN		2421	7695	1149	2479	165146□	165146□	
CC JC CRANE								
CC JC WRIGHT								
CC JC FENGER								
CC JC LCCP								
SUB-TOTAL								
NONPUBLIC UNIVERSITIES								
X2	5200	186812	124473	1800	58249	2290		
X7	5688	8233	183696	173696			10000	
X14	8187	515124	456394	17365			41365	
X19	9955	385762	378110				7652	
X21	7109	801538	570676				106141	
X24	1181	202013	164245				33818	
X27								
X30								
X32	16636	2274945□	1867594□	17365□	1800□	62199□	124721□	201266□
SUB-TOTAL								
NONPUBLIC COLLEGES								
C1	1197	2404	399					
C3								
C6								
C8								
C9								
C10								
							72833	

* Grand-Total does not include institutions with shared facilities

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE A2

PERCENTAGE DISTRIBUTION OF GROSS NON-RESIDENTIAL SPACE BY PERMANENCY RATING

INSTITUTION	ENROLLMENT	TOTAL SPACE GROSS SQ.FT.	GROSS NON-RESIDENTIAL BUILDING SPACE BY PERMANENCY RATING					
			A-1	A-2	A-3	A-4	A-5	B
STATE UNIVERSITIES								
EASTERN ILL U	3435	502915	98.7	.3				1.3
ILL STATE NORMAL U	6015	745322	78.1	6.4	13.9	7.7		
NO ILL U	9137	668047	72.2	5.3	17.9	2.9		
SO ILL U	11619	1623844	66.1	1.1	6.3		4.3	
SO ILL-EDWSSVILLE	4625	389324	64.9	12.7	24.1	18.0		
U OF ILL	24169	5570249			1.1	7.0	67.9	
U OF ILL-NAVY PIER	4597	539410	43.9		1.0	5.1	3.5	
WESTERN ILL U	3797	544712			54.4		100.0	
								.7
PUBLIC TEACHERS COLLEGES								
CHGO TCH COLLEGE S	5727	218893	100.0					
CHGO TCH COLLEGE N	1645	80300	100.0					
PUBLIC 2-YEAR COLLEGES								
CENTRALIA TWP JR C	465	3038						
CC JC AMUNDSEN	3156	3156						
CC JC BCGAN								
CC JC CRANE	2421	109541	100.0					
CC JC WRIGHT	7695							
CC JC FINGER	1149	55605	100.0					
CC JC LCCP	2479							
NONPUBLIC UNIVERSITIES								
X2	5200	186812	66.6					
X7	5688							1.2
X14	8233							
X19	1918	183696	94.6					
X21	8187	515124	88.6					5.4
X24	9955	385762	98.0					8.0
X27	7109	801538	71.2					2.0
X30	1181	202013	81.3					13.2
X32	16636							16.7
NONPUBLIC COLLEGES								
C1	1197							
C3	2404							
C6	399							
C8	656							
C9	120915							
C10	856							
	449							
							60.2	

C11	124778	47.7	3.8	26.5	22.1		100.0	
C12	124182						19.4	
C13	659						20.6	
C15	1532	62040	80.6					
C17	636	26945	79.4					
C18	598	90054	100.0					
C20	416	906477	100.0					
C22	978	214089	38.4	38.7	14.4		3.7	1.9
C23	551							
C25	310							
C26	1436							
C28	1693							
C29	1148	336974	15.5	63.1	9.8		11.6	
C31	971						2.4	
C33	1226	65704	77.4	8.6			11.6	
C34	718							
C35	1125	235077	65.9	31.4	2.4		•3	
C36	1913							
C37	1138	244409	100.0					
C38	1199							
C39	1225	119727	58.2	28.8			12.2	•7
C41	526							
C43	891	144691	65.3	4.2	24.3		3.7	2.5
C44	1140							
C45	280	30890	96.8	3.2				
NONPUBLIC 2-YEAR COLLEGES								
N4	229	82977	47.7	46.7	5.6			
N5	703	173926	28.4	35.7	20.3			
N16	473							
N40	404	19680		79.7				
INSTITUTIONS WITH SHARED FACILITIES								
N42	114	2238	75.9	40522	100.0			
			469	57267	100.0			
			2517	33134	100.0			
			4866	123853	100.0			
			554	198500	100.0			
			1283	22044	71.1			
			2099	93521	100.0			
			398					
			914	62978	100.0			
			1503	43989	100.0			
			1777					
			343					
			269	67300	96.9		12.5	6.2
			1720	61840	61.7			97.8
			286	27081				2.2

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE B1

DISTRIBUTION OF NET NON-RESIDENTIAL BUILDING SPACE BY FUNCTION

INSTITUTION	ENROLLMENT	TOTAL SPACE NET SQ.FT.	SQ.FT. PER STU.	NET NON-RESIDENTIAL BUILDING SPACE ALLOCATED TO				OTHER	
				CLSRMS. AND SER.V. TO CLSRM.	TEACHING LABS	GYM., POOL, DRILL HALL AND SER.V. AREA	LIBRARY	RESEARCH	
STATE UNIVERSITIES									
EASTERN ILL U	3435	372407	108.4	51525	32436	19831	32382	21604	214629
ILL STATE NORMAL U	6015	525983	87.4	69934	46159	30939	50713	42193	284135
ND ILL U	9137	631528	69.1	75978	52595	60626	81954	32225	7668
SO ILL U	11619	971048	83.6	115714	151882	40800	265395	105311	40680
SO ILL-EDOWSVILLE	4625	275208	59.5	53152	13914	10610	55867	15538	316256
U OF ILL	24169	3581958	148.2	249328	503955	290036	779382	373596	125754
U OF ILL-NAVY PIER	4597	399734	87.0	53190	81839	67601	60870	36253	597214
WESTERN ILL U	3797	442849	116.6	41189	103177	45492	40198	34557	96733
SUB-TOTAL PERCENT		7200715 ^b	100.0%	7100104 ^b	985957 ^b	5659050 ^b	1307261 ^b	562357 ^b	173725
PUBLIC TEACHERS COLLEGES									7122938 ^c
CHGO TCH COLLEGE S	5727	104351	18.2	29345	12996	24620	15192	12200	29.5%
CHGO TCH COLLEGE N	1645	94139	57.2	22495	6126	10768	10531	7676	36543
SUB-TOTAL PERCENT		198490 ^b	100.02	51840 ^b	19122 ^b	35388 ^b	25723 ^b	19876 ^b	46541 ^a
PUBLIC 2-YEAR COLLEGES									23.4.
CENTRALIA TWP JR C	465	3038							
CC JC AMUNDSEN	3156	2421							
CJC BOGAN	7695	109541	14.2	27235	8972	24420	13741	11475	23698
CC JC CRANE	1149	2479	15.6	19042	2048	11020 ^b	7229	5642	4717
CC JC WRIGHT	38678	148219 ^b	100.03	46277 ^b	46277 ^b	24420 ^b	20970 ^b	17117 ^b	28415 ^a
CC JC FINGER				31.2%	7.4%	16.5%	14.1%	11.5%	19.2.
CC JC LOOP									.0%
SUB-TOTAL PERCENT									
NONPUBLIC UNIVERSITIES									
X2	5200	291600	56.1	53178	62595	13992	36672	23705	101458
X7	5688	8233							
X14	1918	183519	95.7	40501	29360	7354	22919	13549	623
X19	8187	331641	40.5	61201	7935	33946	49345	25056	154158
X21	9955	301227	30.3	64441	10990	46568	47259	6907	125752
X24	7109	521883	73.4	45649	107119	14016	106897	92630	48983
X27	1181	172490	146.1	32292	12438	33584	21138	10109	106619
X30	16636	1802360 ^b	100.03	297262 ^b	230437 ^b	102892 ^b	283539 ^b	212388 ^b	852
X32 SUB-TOTAL PERCENT				16.5%	12.6%	5.7%	15.7%	11.0%	62077
NONPUBLIC COLLEGES									618477 ^a
C1	1197								34.3%
C3	2404								
C6	399								
C8	656								
C9	856								
C10	449								

C11	82184	61.1	10942	13621	5988	10343	19274	694	22322
C12	108810	201.1	11162	9793	26262	9481	7328		44784
C13									33948
C14	1532	63874	100.4	7460	3710	10736	5300		7450
C15	636	37360	62.5	14801	6593	2965	5551		21403
C16	598	58436	140.5	6016	4084	16211	3222		106576
C17	416	186478	190.7	2167?	13423	16229	11191		32361
C18	978	123502	224.1	12482	15918	16756	9985		
C19	551	26547	85.6	13659	1893	4700	6095		
C20	310								
C21	1436								
C22	1693								
C23	1148								
C24	971	163891	168.8	20430	7951	21368	18649		78984
C25	1226	52893	43.1	16330	9976	8635	10228		7724
C26	718	62822	87.5	10413	3477	14620	8362		14550
C27	1125	339830	177.6	38372	51727	39530	25420		160599
C28	1913								
C29	1138	247904	206.8	28795	18613	9822	19357		147877
C30	1199								
C31	1225	103219	196.2	12929	8939	18206	7232		49348
C32	526	246687	216.4	18467	15379	24790	29246		134555
C33	891	57290	204.6	6900	5050	4920	7270		28150
C34	1140	2141576	100.0%	272210	203949	254612	193357		992156
C35	280								•3%
C36									46.3%
C37									
C38									
C39									
C40									
C41									
C42									
C43									
C44									
C45									
SUB-TOTAL PERCENT									
N4	229	111601	487.3	6762	3601	33940	8256		54626
N5	703	80715	114.8	15329	11423	8784	4606		38207
N6	473	35794	75.7	4800	1500	6076	6276		14078
N7	404	14252	35.3	5609	2018	3221	3064		1806
N8		242362	100.0%	32500	18542	48800	11598		108717
N9							11226		218
N10							9.0%		•1%
N11							4.6%		44.9%
NONPUBLIC 2-YEAR COLLEGES									
N12									36000
N13									19736
N14									55902
INSTITUTIONS WITH SHARED FACILITIES									
N15	114	83558	73.3	5014	3344	59600	2247		2948
N16	2238	158549	70.8	34314	23440	15811	1883		3540
N17	759	47915	63.1	3660	3285	1355	819		1795
N18	469	75697	161.4	8773	7053	2000	4400		1984
N19	2517	33134	13.2	19250	5500	25470	11598		14090
N20	4866	122417	25.2	37465	8994	10909	936		24800
N21	554	46845	84.6	16699	4491	7170	1846		12713
N22	1283	22044	17.2	4495	103744	7777	8572		5083
N23	2099	139221	66.3	168.4	26729	6720	8450		15581
N24	398	67010	168.4	138.8	14050	8672	50274		16955
N25	914	126875	138.8	13165	6891	7744	3488		52020
N26	1503	43989	29.3	32229	16616	19201	10750		9468
N27	1777	114191	64.3	8265	928	8924	573		32529
N28	343	48974	142.8	74899	278.4	8225	6956		28581
N29	269	74899	278.4	70697	41.1	21328	8635		39552
N30	1720	28181	98.5	7153	3288	10400	600		17851
N31	286								1110
N32									
N33									
N34									
N35									
N36									
N37									
N38									
N39									
N40									
GRAND-TOTAL PERCENT									
	11733722	100.0%	1410099	1469027	1031817	1853209	1142821	909595	3917154
									33.4%
									7.8%
									9.7%

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE 82

PERCENTAGE DISTRIBUTION OF NET NON-RESIDENTIAL BUILDING SPACE BY FUNCTION

INSTITUTION	ENROLLMENT	TOTAL SPACE NET SQ.FT.	PERCENT OF NET NON-RESIDENTIAL BUILDING SPACE ALLOCATED TO					
			CLSRMS. AND SERV. TO CLSRM.	TEACHING LABS AND SERV. TO TEACHING LABS	GYM,POOL, DRILL HALL AND SERV. AREA	OFFICE AND CONF. AND FILES	LIBRARY	RESEARCH
STATE UNIVERSITIES								
EASTERN ILL U	3435	372407	13.8	6.7	5.3	8.7	5.8	4
ILL STATE NORMAL U	6015	525983	13.3	8.8	5.9	9.6	6.0	54.0
NO ILL U	9137	631528	12.0	8.3	9.6	13.0	5.1	50.7
SO ILL U	11619	971048	11.9	15.6	4.2	21.2	10.9	4.2
SO ILL-EDWVILLE	4625	275208	19.3	5.1	3.9	20.3	5.7	32.9
U OF ILL	24169	3581958	7.0	14.1	8.1	21.8	10.4	45.7
U OF ILL-NAVY PIER	4597	399734	13.3	20.5	16.9	15.2	9.1	22.0
WESTERN ILL U	3797	442849	9.3	23.3	10.3	9.1	7.8	16.7
MEAN			12.5□	13.1□	8.0□	14.9□	7.9□	40.0□
PUBLIC TEACHERS COLLEGES								
CHGO TCH COLLEGE S	5727	104351	28.1	12.5	23.6	14.6	11.7	9.6
CHGO TCH COLLEGE N	1645	94139	23.9	6.5	11.4	11.2	8.2	38.8
MEAN			26.0□	3.5□	17.5□	12.9□	10.0□	24.2□
PUBLIC 2-YEAR COLLEGES								
CENTRALIA TWP JR C	465	3038	24.9	8.2	22.3	12.5	10.5	21.6
CC JC AMUNDSEN	3156	109541	7695	5.3	18.7	14.6	12.2	
CC JC BOGAN	2421	38678	1149	6.8□	22.3□	15.6□	12.6□	16.9□
CC JC CRANE	7695		2479					
CC JC WRIGHT								
CC JC FINGER								
CC JC LOOP								
MEAN								
NONPUBLIC UNIVERSITIES								
X2	5200	291600	18.2	21.5	4.8	12.6	8.1	34.8
X7	5688	8233	1918	22.1	16.0	4.0	12.5	7.4
X14			8187	18.5	2.4	10.2	14.9	7.6
X19			9955	301227	21.4	3.6	15.5	15.7
X21			7109	521883	8.7	20.5	2.7	2.3
X24			181	172490	18.7	7.2	19.5	41.5
X27			16636		17.9□	11.9□	12.3	20.4
X30							5.9	9.4
X32							.5	36.0
MEAN								
NONPUBLIC COLLEGES								
C1	1197	2404	399	6.8	5.6	14.8	4.9	61.9
C3								46.3
C6	656	116917	656	21.1	11.5	10.1	10.5	
C8								
C9								
C10	856	62932	449					

C11	1346	82184	13.3	16.6	7.3	12.6	22.2	.8	27.2
C12	541	108810	10.3	9.0	24.1	8.7	6.7	41.2	
C13	659								
C15	1532	63874	11.7	5.8	4.3	16.8	8.3		53.1
C17	636	37360	39.6	17.6		7.9	14.9		19.9
C18	598	58436	10.3	7.0	27.7	11.6	5.5	1.2	36.6
C20	416	186478	11.6	7.2	8.7	9.2	5.0	.2	57.6
C22	978	123502	10.1	12.9	13.6	8.1	29.1		26.2
C23	551	26547	52.2	7.1	17.7	23.0			
C25	310								
C26	1436								
C28	1693								
C29	1148	163891	12.5	4.9	13.0	10.1	11.4	48.2	
C31	971	52893	30.9	18.9	16.3	19.3	18.1		14.6
C33	1226	62822	16.6	5.5	23.3	13.3			23.2
C34	718								
C35	1125	339830	11.3	15.2	11.6	7.5	6.3		47.3
C36	1913								
C37	1138								
C38	1199	247904	11.6	7.5	4.0	7.8	9.5		59.7
C39	1225	103219	12.5	8.7	17.6	7.0	6.7		47.5
C41	526								
C43	891								
C44	1140	246687	7.5	6.2	10.0	11.9	9.8		54.5
C45	280	57290	12.0	8.8	8.6	12.7	7.9		49.1
MEAN			16.8	9.8	13.7	10.9	11.6		47.0
NONPUBLIC 2-YEAR COLLEGES									
N4	229	111601	6.1	3.2	30.4	7.4	4.0		49.9
N5	703	80715	19.0	14.2	10.9	5.7	2.7		47.3
N16	473	35794	13.4	4.2	17.0	17.5	8.6		39.3
N40	404	14252	39.4	14.2	22.6	11.2			12.7
MEAN			19.5	9.0	19.4	13.3	6.6		37.1
INSTITUTIONS WITH SHARED FACILITIES									
R42	114	8358	60.0	40.0					
BELLEVILLE JR COLL	2238	158549	21.6	14.8	37.6	1.4	1.9		22.7
BLOOM TWP COMM C	759	47915	7.6	6.9	33.0	3.9	7.4		41.2
CANTON COMM C	469	75697	11.6	9.3	1.8	1.1	2.4		73.8
CC JC SOUTHEAST	2517	33134	58.1	16.6	6.0	13.3	6.0		21.3
CC JC WILSON	4866	122417	30.6	7.3	20.8	9.5	11.5		
DANVILLE JR C	554	46845	35.6	9.6	23.3	2.0	2.3		27.1
ELGIN COMM C	1283	22044	20.4	32.5	8.4	15.7			23.1
JOLIET JR C	2099	139221	74.5		5.6	6.2	2.5		11.2
LASALLE-PERU-DGSBY	398		39.9	10.0	12.6	1.4	10.7		25.3
LYDNS TWP JR C	914	126875	11.1	6.8	39.6	1.5			41.0
BLACK HAWK C	1503	43989	29.9	15.7	17.6	7.9	7.3		21.5
MORTON JR C	1777	114191	28.2	14.6	16.8	9.4	2.5		29.5
MT VERNON COMM C	343	48974	16.9	1.9	18.2	1.2	3.5		53.4
S EASTERN ILL C	269	74899	11.0	9.3	23.3	2.1	1.6		52.8
THORNTON JR C	1720	70697	30.2	12.2	27.2	1.5	3.6		25.3
WABASH VALLEY C	286	28181	25.4	11.7	36.9	2.1			3.9

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE C1

SUMMARY OF CLASSROOM DATA

INSTITUTION	TOTAL CAP. OF CLSRHS.	TOTAL AREA SQ.FT.	TOTAL PERIOD USAGE 7AM-5PM	TOTAL RM. STUDENT CLKHRS. 7AM-5PM	TOTAL PERIOD USAGE 5-10PM	TOTAL RM. STUDENT CLKHRS. 5-10PM	TOTAL STUDENT CLKHRS.	TOTAL STUDENT CLKHRS.	SQ.FT. PER STUDENT
STATE UNIVERSITIES									
EASTERN ILL U	2438	51525	1670	40948	41	677	41625	21.1	15.0
ILL STATE NORMAL U	3129	69934	2147	65511	260	4981	70492	22.3	11.6
NO ILL U	6029	75978	2522	89927	635	15182	105109	12.6	8.3
SO ILL U	7381	115714	3703	105574	950	44389	149963	15.7	10.0
SO ILL-EVANSVILLE	4027	53152	1188	30407	648	13580	43987	13.1	11.5
U OF ILL	18476	249328	10918	296257	419	8045	304302	13.5	10.3
U OF ILL-NAVY PIER	2986	53190	2226	58013		58013	58013	17.8	11.6
WESTERN ILL U	2036	41189	1381	44727	94	1943	46670	20.2	10.8
MEAN								17.0 ^a	11.1 ^a
PUBLIC TEACHERS COLLEGES									
CHGC TCH COLLEGE S	1810	29345	565	24585	201	4810	29395	16.2	5.1
CHGD TCH COLLEGE N	2080	22495	726	20508	52	1258	21766	10.8	13.7 ^a
MEAN								13.5 ^a	9.4 ^a
PUBLIC 2-YEAR COLLEGES									
CENTRALIA TWP JR C									
CC JC APUNDSEN	1568	27235	1364	45278	596	65785	111063	17.3	3.5
CC JC BOGAN									
CC JC CRANE									
CC JC HRIGHT									
CC JC FINGER	1301	19042	195	5817	288	8882	14699	14.6	7.7
CC JC LOGP									
MEAN								16.0 ^a	5.6 ^a
NONPUBLIC UNIVERSITIES									
X2	3616	53178	1726	52228	354	8721	60949	14.7	10.2
X7									
X14									
X19	2199	40501	762	17192	140	2221	19413	18.4	21.1
X21	4493	61201	1504	48510	963	26606	75116	13.6	7.5
X24	5251	64441	2152	70364	630	14156	84520	12.3	6.5
X27	3654	45649	1141	28114	859	22387	50501	12.4	6.4
X30	2055	32292	753	17776	33	826	18602	15.7	27.3
X32									
MEAN								14.5 ^a	13.2 ^a
NONPUBLIC COLLEGES									
C1	589	7923	308	7583	8	165	7748	13.4	12.1
C3									
C6	726	13252	376	9169	27	481	9650	18.2	15.5

C1-1

C11	10942	346	6056	130	2080	8136	16.4	8.1
C12	11162	369	6197	10	146	6343	16.2	20.6
C13								
C15	704	232	6020	38	542	6562	10.5	11.7
C17	862	404	7426			7426	17.1	24.8
C18	450	159	4360	12	209	4569	13.3	14.5
C20	1165	21677	690	13019	6	100	13119	18.6
C22	783	12482	402	7585			7585	15.9
C23	554	13859	178	3895			3895	25.0
C25								
C26								
C28								
C29								
C31	1398	20430	555	12787	14	123	12910	14.6
C33	1145	16330	655	16570			16570	14.2
C34	721	10413	299	8053	16	417	8470	14.4
C35	3233	38372	1032	26597	13	210	26807	11.8
C36								
C37								
C38	1230	28795	606	13528	2	14	13542	23.4
C39								
C41	751	12929	336	7184	1	9	7193	17.2
C43	1345		555	11830			11830	24.6
C44	1208	18467	661	14456			14456	16.2
C45	450	6900	178	3091	1	100	3191	24.6
MEAN							16.2 ^a	18.7 ^a
NONPUBLIC 2-YEAR COLLEGES								
N4	356	6762	370	5363			5.63	18.9
N5	745	15329	312	7085	47		8038	29.5
N16	371	4800	240	5043	13		5375	21.8
N40	341	5609	184	4848			4848	10.1
MEAN							16.4	13.9
							17.2 ^a	18.8 ^a
INSTITUTIONS WITH SHARED FACILITIES								
N42	340	5014	94	1744			1744	14.7
BELLEVILLE JR COLL	1852	34314	238	5873	273		11883	15.3
BLJOM TWP COMM C	225	3660	140	2854	45		3700	4.8
CANTON COMM C	501	8773	180	3419	36		4127	14.5
CC JC SOUTHEAST	705	19250	208	6505	173		11999	18.7
CC JC WILSON	1768	37465	1026	33087	329		41979	7.6
DANVILLE JR C	894	16699	127	3359	94		5655	21.2
ELGIN COMM C	228	4495	159	3462			3462	7.7
JOLIET JR C	2434	103744	1134	24403	194		27743	30.1
LASALLE-PERU-GGSBY	2477	26729	142	3462	30		3986	49.4
LYONS TWP JR C	691	14050	226	5388			5388	67.2
BLACK HAWK C	859	13165	341	9254	139		12565	20.3
HORTON JR C	1736	32229	484	11327	151		3311	15.4
HT VERNON COMM C	371	8265	151	3682	23		15461	8.8
S EASTERN ILL C	417	8225	165	2332	50		639	18.1
THURNTON JR C	912	21328	363	9758	75		4321	22.2
HABASH VALLEY C	325	7153	60	1250	43		2650	24.1
MEAN--GRAND							11591	30.6
							626	12.4
							1876	25.0
								18.0 ^a

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE C2

AVERAGE ROOM PERIOD USAGE PER WEEK OF CLASSROOMS

INSTITUTION	ENROLLMENT	NO. OF CLASSROOMS	AVERAGE ROOM PERIOD USAGE PER WEEK		WEIGHTED ROOM PERIOD USAGE 5-10PM IN PERCENT 400F 7AM-5PM USAGE*
			7AM-5PM	10-12PM	
STATE UNIVERSITIES					
EASTERN ILL U	3435	65			5.4
ILL STATE NORMAL U	6015	81			26.6
NO ILL U	9137	93			55.4
SO ILL U	11619	145			56.5
SO ILL-EDWNSVILLE	4625	63			120.0
U OF ILL	24169	351			8.4
U OF ILL-NAVY PIER	4597	66			14.9
WESTERN ILL U	3797	50			41.0□
MEAN					
PUBLIC TEACHERS COLLEGES					
CHGO TCH COLLEGE S	5727	19			78.2
CHGO TCH COLLEGE N	1645	32			15.7
MEAN					47.0□
PUBLIC 2-YEAR COLLEGES					
CENTRALIA TMP JR C	465				
CC JC AFUNDSEN	3038				
CC JC BCGAN	3156				
CC JC CRANE	2421				
CC JC WRIGHT	7695	35			96.1
CC JC FINGER	1149				
CC JC LCOP	2479	34			
MEAN					324.9
NONPUBLIC UNIVERSITIES					
X2	5200	67			45.1
X7	5688				
X14	8233				
X19	1918	52			40.4
X21	8187	92			140.8
X24	9955	101			64.4
X27	7109	68			165.6
X30	1181	45			9.6
X32	16636				
MEAN					77.7□
NONPUBLIC COLLEGES					
C1	1197				
C3	2404				
C6	399				
C8	656	13			5.7
C9	856	17			15.7
C10	449				

C11	20	82.7
C12	20	5.9
C13		
C15	13	
C17	636	36.0
C18	598	16.6
C20	416	1.9
C22	978	
C23	551	
C25	310	
C26	1436	
C28	1693	
C29	1148	5.5
C31	971	
C33	1226	11.7
C34	718	
C35	1125	2.7
C36	1913	
C37	1138	
C38	1199	.8
C39	1225	
C41	526	.7
C43	891	
C44	1140	1.2
C45	280	14.4
MEAN		
NONPUBLIC 2-YEAR COLLEGES		
N4	229	18
N5	703	19
N16	473	11
N40	404	9
MEAN		
INSTITUTIONS WITH SHARED FACILITIES		
N42	114	9
BELLEVILLE JR COLL	2238	42
BLOOM TWP COMM C	759	5
CANTON COMM C	469	14
CC JC SGU HEAST	2517	20
CC JC WILSON	4866	39
DANVILLE JR C	554	20
ELGIN COMM C	1283	8
JOLIET JR C	2099	62
LASALLE-PERU-OGSBY	398	28
LYONS TWP JR C	914	20
BLACK HAWK C	1503	23
HORTON JR C	1777	39
HT VERNON COMM C	343	12
S EASTERN ILL C	269	13
THORNTON JR C	1720	26
WABASH VALLEY C	286	10
MEAN-GRAND		
MEDIAN-GRAND		
* THIS VALUE OBTAINED BY MULTIPLYING 5-10PH USAGE X 5500/25 AND DIVIDING BY 7AM-5PM USAGE		

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE C3

AVERAGE NUMBER OF STUDENT HOURS PER WEEK PER STATION IN CLASSROOMS 7AM-5PM

INSTITUTION	ENROLLMENT	AVERAGE STUDENT HOURS PER WEEK PER STATION 7AM-5PM		WEIGHTED STUDENT HOURS/STATION 5-10PM IN PERCENT OF 7AM-5PM USAGE*
		AVERAGE STUDENT HOURS PER WEEK PER STATION 7AM-5PM	40	
STATE UNIVERSITIES				
EASTERN ILL U	3435	16.8	3.6	
ILL STATE NORMAL U	6015	14.9	16.7	
NU ILL C	9137	14.3	37.1	
SD ILL U	11619	7.5	92.5	
SO ILL-EOWNSVILLE	4625	16.0	98.2	
U OF ILL	24169	19.4	6.0	
U OF ILL-NAVY PIER	4597	21.9	9.5	
WESTERN ILL U	3797	16.5	37.7	
MEAN				
PUBLIC TEACHERS COLLEGES				
CHGO TCH COLLEGE S	5727	13.5	43.0	
CHGO TCH COLLEGE N	1645	9.8	13.4	
MEAN		11.7	28.2	
PUBLIC 2-YEAR COLLEGES				
CENTRALIA TWP JR C	465	28.8	319.6	
CC JC AUFUNDSSEN	3038	11.7	335.9	
CC JC BCGAN	3156	11.7	27.8	
CC JC CRANE	2421	16.6		
CC JC WRIGHT	7695	4.4		
CC JC FINGER	1149	14.4		
CC JC LCCP	2479	16.6		
MEAN				
NONPUBLIC UNIVERSITIES				
X2	5200	14.4	36.7	
X7	5688	7.8	28.4	
X14	8233	10.7	120.6	
X19	1918	7.8	44.3	
X21	8187	13.4	175.1	
X24	9955	7.6	10.2	
X27	7109	8.6	69.2	
X30	1181	10.4		
X32	16636			
MEAN				
NONPUBLIC COLLEGES				
C1	1197	12.8	4.7	
C3	2404	12.6	11.5	
C6	399			
C8	656			
C9	856			
C10	449			

C11	1346	75.6
C12	341	5.1
C13	659	
C15	1532	19.8
C17	636	
C18	598	10.5
C20	416	1.6
C22	978	
C23	551	
C25	310	
C26	1436	
C28	1693	
C29	1148	2.1
C31	971	
C33	1226	
C34	718	11.3
C35	1125	
C36	1913	
C37	1138	
C38	1199	
C39	1225	
C41	526	1.7
C43	891	
C44	1140	
C45 MEAN	280	.3
NONPUBLIC 2-YEAR COLLEGES		
N4	229	29.5
N5	703	14.4
N16	473	
N40 MEAN	404	22.0 ^a

INSTITUTIONS WITH SHARED FACILITIES	
N42	114
BELLEVILLE JR COLL	2238
BLOOM TWP COMM C	759
CANTON COMM C	469
CC JC SCUTHEAST	2517
CC JC WILSON	4866
DANVILLE JR C	554
ELGIN COMM C	1283
JOLIET JR C	2099
LASALLE-PERU-OGBSBY	398
LYONS TWP JR C	914
BLACK HAWK C	1503
MORTON JR C	1777
MT VERNON COMM C	343
S EASTERN ILL C	269
THORNTON JR C	1720
HABASH VALLEY C	286
MEAN-GRAND	
MEDIAN-GRAND	

C3-2

C11	xxxxxxxxx 9.1	75.6
C12	xxxxxxxxx 9.0	5.1
C13		
C15	xxxxxxxxx 8.5	19.8
C17	xxxxxxxxx 8.6	
C18	xxxxxxxxx 9.6	
C20	xxxxxxxxx 9.6	10.5
C22	xxxxxxxxx 9.6	1.6
C23	xxxxxxxxx 11.1	
C25		
C26	xxxxxxxxx 7.0	
C28		
C29	xxxxxxxxx 9.1	2.1
C31	xxxxxxxxx 11.1	
C33	xxxxxxxxx 14.4	
C34		11.3
C35	xxxxxxxxx 8.2	
C36		
C37	xxxxxxxxx 11.0	
C38		
C39	xxxxxxxxx 9.6	
C41	xxxxxxxxx 6.7	
C43	xxxxxxxxx 11.9	
C44	xxxxxxxxx 6.8	
C45 MEAN	xxxxxxxxx 9.9 ^a	11.7 ^a
INSTITUTIONS WITH SHARED FACILITIES		
N4	xxxxxxxxx 15.0	
N5	xxxxxxxxx 9.5	
N16	xxxxxxxxx 13.5	
N40 MEAN	xxxxxxxxx 14.2	
INSTITUTIONS WITH SHARED FACILITIES		
N42	xxxxxxxxx 5.1	225.1
BELLEVILLE JR COLL	xxx 3.1	65.2
BLOOM TWP COMM C	xxxxxxxxx 12.6	45.5
CANTON COMM C	xxxxxx 6.8	185.8
CC JC SCUTHEAST	xxxxxxxxx 9.2	59.1
CC JC WILSON	xxxxxxxxx 18.7	150.4
DANVILLE JR C	xxx 3.7	
ELGIN COMM C	xxxxxxxxx 15.1	
JOLIET JR C	xxxxxxxxx 10.0	
LASALLE-PERU-OGBSBY	xx 1.4	30.1
LYONS TWP JR C	xxxxxxxxx 7.7	33.3
BLACK HAWK C	xxxxxxxxx 10.7	
MORTON JR C	xxxxxx 6.5	
MT VERNON COMM C	xxxxxxxxx 9.9	78.7
S EASTERN ILL C	xxxxxx 5.6	80.2
THORNTON JR C	xxxxxxxxx 10.6	
HABASH VALLEY C	xxx 3.8	
MEAN-GRAND	xxxxxxxxx 12.0 ^a	38.1
MEDIAN-GRAND	xxxxxxxxx 11.0 ^a	30.0
INSTITUTIONS WITH SHARED FACILITIES		
N42	xxxxxxxxx 5.1	41.3
BELLEVILLE JR COLL	xxxxxxxxx 12.6	110.1
BLOOM TWP COMM C	xxxxxx 6.8	
CANTON COMM C	xxxxxxxxx 9.2	
CC JC SCUTHEAST	xxxxxxxxx 18.7	
CC JC WILSON	xxxxxxxxx 5.6	
DANVILLE JR C	xxx 3.7	
ELGIN COMM C	xxxxxxxxx 15.1	
JOLIET JR C	xxxxxxxxx 10.0	
LASALLE-PERU-OGBSBY	xx 1.4	
LYONS TWP JR C	xxxxxxxxx 7.7	
BLACK HAWK C	xxxxxxxxx 10.7	
MORTON JR C	xxxxxx 6.5	
MT VERNON COMM C	xxxxxxxxx 9.9	
S EASTERN ILL C	xxxxxx 5.6	
THORNTON JR C	xxxxxxxxx 10.6	
HABASH VALLEY C	xxx 3.8	
MEAN-GRAND	xxxxxxxxx 12.0 ^a	49.6 ^a
MEDIAN-GRAND	xxxxxxxxx 11.0 ^a	13.9 ^a

* THIS VALUE OBTAINED BY MULTIPLYING 5-10PM USAGE X 5500/25 AND DIVIDING BY 7AM-5PM USAGE

SCHEDULE C4

PERCENT OF CLASSROOM STUDENT STATIONS IN USE WHEN ROOMS WERE IN USE TAH-SPN

INSTITUTION	ENROLLMENT	PERCENT OF STATION UTILIZATION WHEN IN USE
STATE UNIVERSITIES		
EASTERN ILL U	3435	xx65.4
ILL STATE NORMAL U	6015	xx79.0
NO ILL U	9137	xx55.0
SU ILL U	11619	xx55.9
SO ILL-EDWARDSVILLE	4625	xx40.1
U OF ILL	24169	xx51.5
U OF ILL-NAVY PIER	4597	xx57.6
WESTERN ILL U	3197	xx60.6
MEAN		xx79.6
PUBLIC TEACHERS COLLEGES		
CHGO TCH COLLEGE S	5727	xx45.7
CHGO TCH COLLEGE N	1645	xx43.6
MEAN		xx44.6
PUBLIC 2-YEAR COLLEGES		
CENTRALIA TWP JR C	465	
CC JC ANDENSEN	3038	
CC JC BEGAN	3156	
CC JC CRANE	2421	
CC JC WRIGHT	7695	xx74.2
CC JC FINGER	1149	xx78.1
CC JC LCCP	2479	xx76.
MEAN		
NONPUBLIC UNIVERSITIES.		
X2	5200	xx56.0
X7	5683	
X14	8233	
X19	1918	
X21	8187	xx53.5
X24	9955	xx66.2
X27	7109	xx62.9
X30	1181	xx46.0
X32	16636	xx51.8
MEAN		xx56.0
NONPUBLIC COLLEGES		
C1	1157	
C3	2404	
C6	399	
C8	656	
C9	856	xx54.5
C10	449	xx57.1

C11	1346	XXXXXX52.5
C12	541	XXXXXX49.0
C13	659	XXXXXX48.0
C15	1532	XXXXXX42.6
C17	636	XXXXXX55.0
C18	598	XXXXXX60.0
C20	416	XXXXXX45.9
C22	978	XXXXXX59.5
C23	551	XXXXXX59.8
C25	310	XXXXXX63.8
C26	1436	XXXXXX57.9
C28	1693	XXXXXX51.0
C29	1148	XXXXXX51.2
C31	971	XXXXXX39.1
C33	1226	XXXXXX39.6
C34	718	XXXXXX58.0
C35	1125	XXXXXX42.6
C36	1913	XXXXXX52.0
C37	1138	
C38	1199	
C39	1225	
C41	526	
C43	891	
C44	1140	
C45	280	
MEAN		
NONPUBLIC 2-YEAR COLLEGES		XXXXXX73.4
N4	229	XXXXXX57.9
N5	703	XXXXXX62.3
N16	473	XXXXXX69.6
N40	404	XXXXXX65.8
MEAN		
INSTITUTIONS WITH SHARED FACILITIES		XXXXXX49.3
N42	114	XXXXXX56.6
BELLEVILLE JR COLL	2238	XXXXXX45.3
BLOOM TWP COMM C	759	XXXXXX53.3
CANTON COMM C	469	XXXXXX88.7
CC JC SOUTHEAST	2517	XXXXXX71.1
CC JC WILSON	4866	XXXXXX59.6
DANVILLE JR C	554	XXXXXX76.6
ELGIN COMM C	1283	XXXXXX72.6
JOLIET JR C	2099	XXXXXX27.9
LASALLE-PERU-OGSBY	398	XXXXXX69.0
LYONS TWP JR C	914	XXXXXX72.8
BLACK HAWK C	1503	XXXXXX52.6
MORTON JR C	1777	XXXXXX79.4
MT VERNON COMM C	343	XXXXXX44.0
S EASTERN ILL C	269	XXXXXX76.9
THORNTON JR C	1720	XXXXXX64.1
WABASH VALLEY C	286	XXXXXX56.4
MEAN-GRAND		XXXXXX55.9
MEDIAN-GRAND		

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE C5

SQUARE FEET OF ASSIGNABLE FLOOR SPACE PER 100 HOURS OF STUDENT CLASSROOM OCCUPANCY 7AM-5PM

INSTITUTION	ENROLLMENT	TOTAL CLSRM. AREA	STUDENT CLKRS IN CLASS- ROOMS	OVERALL SQ.FT./ 100 HRS.	8Y ROOM SIZES OF							
					1-30	31-50	51-80	81-100	101-150	151-200	201-250	251- UP
STATE UNIVERSITIES												
EASTERN ILL U	3435	51525	40948	126	220	93	180	190	198	150	139	70
ILL STATE NORMAL U	6015	69934	65511	106	111	77	485	91	75	59	48	116
NU ILL U	9137	75978	89927	84	146	79	110	114	298	99	**3	79
SO ILL U	11619	115714	105574	110	148	91	174	141	165	106	105	105
SO ILL-EDWESVILLE	4625	53152	30407	174	225	76	84	97	103	71	63	61
U OF ILL	24169	249328	296257	84	174	86	209	213	151	151	151	151
U OF ILL-NAVY PIER	4597	53190	58013	91	105	83	91	136	160	64	100	88
U OF ILL-Navy Pier	41189	44727	1088	92	152	91	176	176	176	176	176	176
WESTERN ILL U	3797											
MEAN												
PUBLIC TEACHERS COLLEGES												
CHGO TCH COLLEGE S	5727	29345	24585	119	111	81	287	50	562	182		
CHGO TCH COLLEGE N	1645	22495	20508	109	121	65	83	50	562	168		
MEAN				114	116	73	185	50	562	175		
PUBLIC 2-YEAR COLLEGES												
CENTRALIA TMP JR C	465	3038	45278	60	72	52	80	75				
CC JC AUNDESEN	3156	3156	27235	45278	327	245	256	256				
CC JC BOGAN	2421		19042	5817	194	72	149	168				
CC JC CRANE	7695											
CC JC WRIGHT	1149											
CC JC FINGER	2479											
CC JC LOOP												
MEAN												
NONPUBLIC UNIVERSITIES												
X2	5200	53178	52228	102	170	96	83	50	177	93	130	
X7	5688	8233										
X14	1918	40501	17192	235	472	204	149	140	340	331		
X19	8187	61201	48510	126	310	140	93	120	55	231	87	
X21	9955	64441	70364	91	241	89	82	82	176	559	188	
X24	7109	45649	28114	162	281	129	127	127	174	174	252	
X27	1181	32292	17776	182	270	137	171	171	171	171	171	
X30	16636			150	291	133	134	134	170	170	170	
MEAN												
NONPUBLIC COLLEGES												
C1	1197	2404										
C3	399											
C6	656	7923	7583	104								
C8	856	13252	9169	144								
C9	449											
C10												

**STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES**

SCHEDULE C6

AVERAGE ROOM PERIOD USAGE OF CLASSROOMS BY ROOM SIZE 7AM-5PM

SCHEDULE C7

DISTRIBUTION OF CLASS PERIOD MEETINGS PER WEEK BY CLASS SIZE IN CLASSROOMS

INSTITUTION	ENROLLMENT	AVG CLASS SIZE	ACCUMULATED PERCENT OF ALL CLASSES									
			1-10	11-20	21-30	31-40	41-50	51-60	61-80	81-100	101-150	151-200
STATE UNIVERSITIES												
EASTERN ILL U	3435	24.3	7.2	33.6	72.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0
ILL STATE NORMAL U	6015	29.3	9.9	29.7	79.3	97.7	100.0	100.0	100.0	100.0	100.0	100.0
NU ILL U	9137	33.3	9.9	31.1	65.0	85.5	91.1	93.7	96.1	97.5	99.0	99.2
SO ILL U	11619	32.3	14.4	39.3	68.8	86.9	93.8	95.2	96.9	97.6	98.2	99.5
SO ILL-EDWESVILLE	4625	23.9	18.7	51.1	78.5	90.0	94.0	94.9	96.5	98.6	100.0	100.0
U OF ILL	24169	26.8	9.6	44.9	81.1	90.9	93.7	95.3	97.2	98.0	98.8	99.6
U OF ILL-NAVY PIER	4597	26.0	2.5	27.0	89.8	96.3	96.8	97.2	97.6	98.3	99.2	100.0
WESTERN ILL U	3797	31.6	8.4	21.3	54.9	72.3	90.9	96.3	99.7	100.0	100.0	100.0
MEAN	□ 28.4	10.1	32.3	67.5	87.6	94.7	96.6	98.0	98.7	99.4	99.6	99.8
PUBLIC TEACHERS COLLEGES												
CHGO TCH COLLEGE S	5727	38.3	5.9	24.1	46.6	91.1	92.8	93.0	93.7	95.8	98.1	98.6
CHGO TCH COLLEGE N	1645	27.9	7.9	25.5	62.8	92.3	97.2	98.5	99.0	99.4	99.9	99.9
MEAN	□ 33.1	6.9	24.8	54.7	91.7	95.0	95.7	96.0	96.6	97.9	99.0	99.3
PUBLIC 2-YEAR COLLEGES												
CENTRALIA TWP JR C	465	3038	6.0	33.0	69.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0
CC JC AMUNDSEN	3156	2421	56.6	12.0	47.2	90.5	99.6	100.0	100.0	100.0	100.0	100.0
CC JC BOGAN	7695	7695	1149	6.0	40.1	79.8	99.3	100.0	100.0	100.0	100.0	100.0
CC JC CRANE	2479	30.4	.6	9.0	43.5	69.0	99.0	100.0	100.0	100.0	100.0	100.0
CC JC WRIGHT												
CC JC FENGER												
CC JC LCOP												
MEAN	□											
NONPUBLIC UNIVERSITIES												
X2	5200	29.3	9.4	33.6	63.8	87.4	93.8	95.5	97.2	98.6	99.1	99.3
X7	5688	8233	21.5	21.2	53.8	80.0	89.3	95.5	98.0	99.4	100.0	100.0
X14	1918	8187	30.4	33.3	56.6	76.6	90.6	95.6	99.0	100.0	100.0	100.0
X19	9955	9955	30.4	7.0	24.0	53.0	78.0	93.0	96.0	98.0	99.6	100.0
X21	7109	25.2	12.9	41.0	69.5	93.1	97.1	98.2	98.9	99.3	100.0	100.0
X24	1181	23.7	24.0	49.4	76.6	89.5	95.1	98.2	98.8	99.8	99.2	99.7
X27	16636	□ 26.8	14.9	39.2	66.6	85.7	94.2	96.9	98.6	99.4	99.7	99.8
MEAN												
NONPUBLIC COLLEGES												
C1	1197	2404	399	24.5	21.0	63.9	84.3	97.7	100.0	100.0	100.0	100.0
C3	656	856	23.9	19.4	38.7	70.2	93.8	97.3	98.8	100.0	100.0	100.0
C8												
C9												
C10												

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE D1

SUMMARY OF TEACHING LABORATORY DATA

INSTITUTION	TOTAL CAP. OF TEACHING LABS	TOTAL AREA SQ.FT.	TOTAL PERIOD USAGE 7AM-5PM	TOTAL RM. STUDENT CLKHRS 7AM-5PM	TOTAL PERIOD USAGE 5-10PM	TOTAL RM. STUDENT CLKHRS. 5-10PM	TOTAL STUDENT CLKHRS.	TOTAL STUDENT CLKHRS.	SQ.FT. PER STATION	SQ.FT. PER STUDENT
STATE UNIVERSITIES										
EASTERN ILL U	759	32436	661	12979	13	196	13175	42.7	9.4	
ILL STATE NORMAL U	751	46159	665	11032	57	666	11698	61.4	7.7	
NO ILL U	964	52595	586	10493	101	1639	12132	54.5	5.8	
SO ILL U	2409	151882	2127	36060	382	9045	45105	63.1	13.1	
SO ILL-EDWSSVILLE	386	13914	104	1922	54	774	2696	36.0	3.0	
U OF ILL	6176	503955	4919	108213	104	1976	110189	81.6	20.9	
U OF ILL-NAVY PIER	1404	81839	1062	23327	53	873	24200	58.2	17.8	
WESTERN ILL U	1418	103177	773	17074	40	582	17656	72.7	27.2	
MEAN								58.8□	13.1□	
PUBLIC TEACHERS COLLEGES										
CHGO TCH COLLEGE S	347	12996	316	7699	81	1378	9077	37.4	2.3	
CHGO TCH COLLEGE N	260	6126	97	2098	2	28	2126	23.5	3.7	
MEAN								30.5□	3.0□	
PUBLIC 2-YEAR COLLEGES										
CENTRALIA TCH JR C										
CC JC AURANGSEN										
CC JC BCGAN										
CC JC CRANE										
CC JC WRIGHT										
CC JC FINGER										
CC JC LCCP										
MEAN										
NONPUBLIC UNIVERSITIES										
X2	1038	62595	564	11516	91	1823	13339	60.3	12.0	
X7										
X14										
X19										
X21										
X24										
X27										
X30										
X32										
MEAN								53.6□	9.2□	
NONPUBLIC COLLEGES										
C1										
C3										
C6										
C8										
C9										
C10										
	223	6576	70	1521	2	9	1530	29.4	10.0	
	271	7226	116	1781	2	8	1789	26.6	8.4	

C11	288	13621	126	1603	35	530	2133	47.3	10.1
C12	313	9793	166	1685	4	26	1711	31.2	18.1
C13									
C15	94	3710	45	867	1	15	882	39.4	5.8
C17	196	6593	98	1146			1146	33.6	11.0
C18	93	4084	40	955			955	43.9	9.8
C20	190	13423	70	835			835	70.6	13.7
C22	275	15918	190	2317	10	124	2441	57.8	28.9
C23	74	1893	45	705			705	25.5	6.1
C25									
C26									
C28									
C29									
C31	228	7951	87	1557			1557	34.8	3.2
C33	319	9976	213	2865			2865	31.2	8.1
C34	116	3477	57	954			954	29.9	4.8
C35	640	51727	296	6846	15	73	6919	80.8	27.0
C36									
C37									
C38									
C39	230	13613	97	1270	1	7	1277	81.0	15.5
C41	169	8939	69	1109			1109	52.9	17.0
C43	355	105	759				759	48.5	13.5
C44	180	15379	110	485			485	87.0	18.0
C45	58	5050	31	502			502	49.4	12.3
MEAN									
NONPUBLIC 2-YEAR COLLEGES									
N4	108	3601	96	1099			1099	33.3	15.7
N5	224	11423	77	1608	8	159	1767	50.9	16.2
N16	38	1500	22	353	4	32	385	39.4	3.2
N40	70	2018	46	471	9	54	525	28.8	5.0
MEAN							38.1	10.0	
INSTITUTIONS WITH SHARED FACILITIES									
N42	112	3344	25	323			323	29.8	29.3
	610	23440	470	10749			131	2954	13703
	65	3285	59	1106	18		237	38.4	10.5
	247	7053	85	1251	10		1343	50.5	4.3
	66	5500	56	1438	36		1402	28.5	15.0
	189	8994	147	4622	37		1047	2485	83.3
	97	4491	19	485	8		1055	5677	2.2
	191	7170	71	1526			248	733	47.6
								1526	1.8
JOLIET JR C								37.5	5.6
LASALLE-PERU-CCSBY									
LYONS TWP JR C	263	6720	62	1653	17	232	1885	25.5	
BLACK HAWK C	154	8672	81	1677			1677	56.3	
MGRITCN JR C	210	6891	111	2448	46	761	3209	32.8	
MT VERNON CCW C	512	16616	251	4562	55	1201	5763	32.4	
S EASTERN ILL C	24	928	12	160			160	38.6	
THURNTGN JR C	297	6956	79	810	11	129	939	23.4	
WABASH VALLEY C	152	8635	88	1915	12	237	2152	56.8	
MEAN-GRANO	65	3288	29	388	12	204	592	50.5	
							49.3	10.8	

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE D2

AVERAGE ROOM PERIOD USAGE PER WEEK OF TEACHING LABORATORIES

INSTITUTION	ENROLL- MENT	NO. OF LABS	AVERAGE CLASS SIZE	AVERAGE ROOM PERIOD USAGE PER WEEK			WEIGHTED RM.PD. USAGE 5-10PM IN TERMS OF PERCENT OF 7AM-5PM USAGE*
				7AM-5PM	10	20	
STATE UNIVERSITIES							
EASTERN ILL U	3435	30	19.5				4.3
ILL STATE NORMAL U	6015	36	16.2				18.8
NU ILL U	9137	40	17.6				37.9
SO ILL U	11619	109	18.0				39.5
SO ILL-EDKSVILLE	4625	13	17.0				114.2
U OF ILL	24169	219	21.9				4.6
U OF ILL-NAVY PIER	4597	40	21.7				10.9
WESTERN ILL U	3797	51	21.7				11.3
MEAN							30.2□
PUBLIC TEACHERS COLLEGES							
CHGO TCH COLLEGE S	5727	12	22.8				56.3
CHGO TCH COLLEGE N	1645	6	21.4				4.5
MEAN							30.4□
PUBLIC 2-YEAR COLLEGES							
CENTRALIA TMP JR C	465						
CC JC AFUNDSEN	3038						
CC JC BCGAN	3156						
CC JC CRANE	2421						
CC JC WRIGHT	7695						
CC JC FINGER	1149						
CC JC LCCP	2479						
MEAN							
NONPUBLIC UNIVERSITIES							
X2	5200	34	20.4				35.5
X7	5688						
X14	8233						
X19	1718						
X21	8187	9	6.1				42.7
X24	9955	12	14.7				100.2
X27	7109	43	30.2				34.5
X30	1181	10	24.6				93.3
X32	16636		13.7				9.5
MEAN							52.6□
NONPUBLIC COLLEGES							
C1	1197						
C3	2404						
C6	399						
C8	656						
C9	856						
C10	449						
							6.2
							3.7

C11	1346	16	13.3	61.1
C12	541	13	10.0	5.3
C13	659			
C15	1532	3	19.1	4.8
C17	636			
C18	598	9	11.6	
C20	416	3	23.8	
C22	978	8	11.9	
C23	551	15	12.2	11.5
C25	310	3	15.6	
C26	1436			
C28	1693			
C29	1148	7	17.8	
C31	971	14	13.4	
C33	1226	3	16.7	
C34	718			
C35	1125	25	22.2	
C36	1913			
C37	1138			
C38	1199	13	13.1	
C39	1225	7	16.1	
C41	526			
C43	891	12	7.2	
C44	1140	8	4.4	
C45	280	3	16.1	
MEAN				13.3□
 NONPUBLIC 2-YEAR COLLEGES				
N4	229	7	11.4	
N5	703	8	20.7	
N16	473	1	14.8	
N40	404	5	9.5	
MEAN				
 INSTITUTIONS WITH SHARED FACILITIES				
N42	114	4	12.9	
	2238	20	22.8	
	759	2	17.4	
	469	8	14.7	
	2517	3	27.0	
	4866	5	30.8	
	554	3	27.1	
	1283	7	21.4	
	2099			
	398	6		
	914	6		
	1503	7		
	1777	16		
	343	1		
	269	8		
	1720	6		
	286	3		
MEAN-GRAND				39.5□
MEDIAN-GRAND				22.8□
* THIS VALUE OBTAINED BY MULTIPLYING 5-10PH USAGE X 5500/25 AND DIVIDING BY 7AM-5PM USAGE				

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE 03

AVERAGE NUMBER OF STUDENT HOURS PER WEEK PER STATION IN TEACHING LABORATORIES

INSTITUTION	ENROLLMENT	AVERAGE STUDENT HOURS PER WEEK		WEIGHTED STUDENT HOURS/STATION 5-10PM IN PERCENT 40DF 7AM-5PM USAGE*
		PER STATION 7AM-5PM	7AM-5PM	
STATE UNIVERSITIES				
EASTERN ILL U	3435	xxxxxx	17.1	3.3
ILL STATE NORMAL U	6015	xxxxxx	14.7	13.3
ND ILL U	9137	xxxxxx	10.9	34.3
SO ILL U	11619	xxxxxx	15.0	55.2
SO ILL-EDWESVILLE	4625	xxxxx 4.9		88.5
U OF ILL	24169	xxxxxx	17.5	4.0
U OF ILL-NAVY PIER	4597	xxxxxx	16.6	8.2
WESTERN ILL U	3797	xxxxxx	12.0	7.5
MEAN		xxxxxx	13.6□	26.8□
PUBLIC TEACHERS COLLEGES				
CHGO TCH CCGLE S	5727	xxxxxx	22.1	39.3
CHGO TCH CCGLE N	1645	xxxxxx	8.0	2.9
MEAN		xxxxxx	15.1□	21.1□
PUBLIC 2-YEAR COLLEGES				
CENTRALIA TWP JR C	465			
CC JC APUNSEN	3038	xxxxxx		
CC JC BCGAN	3156	xxxxxx		
CC JC CRANE	2421	xxxxxx		
CC JC WRIGHT	7695	xxxxxx		
CC JC FINGER	1149	xxxxxx		
CC JC LCCP	2479	xxxxxx		
MEAN		xxxxxx	6.1	215.6
		xxxxxx	6.1□	15.6□
NONPUBLIC UNIVERSITIES				
X2		xxxxxx	11.1	34.8
X7		xxxxxx		
X14		xxxxxx		
X19		xxxxxx		
X21		xxxxxx	6.7	19.2
X24		xxxxxx	7.2	117.4
X27		xxxxxx	14.6	31.3
X30		xxxxxx	11.1	74.1
X32		xxxxxx	6.6	10.2
MEAN		xxxxxx	9.6□	47.8□
NONPUBLIC COLLEGES				
C1	1197			
C3	2404			
C6	399			
C8	656			
C9	856			
C10	449			
		xxxxxx	6.8	1.3
		xxxxxx	6.5	.9

C11	1346	72.8
C12	541	3.3
C13	659	
C15	1532	
C17	636	
C18	598	
C20	416	
C22	978	
C23	551	3.8
C25	310	
C26	1436	
C28	1693	
C29	1148	
C31	971	
C33	1226	
C34	718	
C35	1125	
C36	1913	
C37	1138	
C38	1199	
C39	1225	
C41	526	
C43	891	
C44	1140	
C45	280	
MEAN		11.7
 NONPUBLIC 2-YEAR COLLEGES		
N4	229	
N5	703	
N16	473	
N40	404	
MEAN		2.3
 INSTITUTIONS WITH SHARED FACILITIES		
N42	114	
	2238	
	759	
	469	
	2517	
	4866	
	554	
	1283	
	2099	
	398	
	914	
	1503	
	1777	
	343	
	269	
	1720	
	286	
MEAN-GRAND		1.2
MEDIAN-GRAND		
* THIS VALUE OBTAINED BY MULTIPLYING S-10PH USAGE X 5500/25 AND DIVIDING BY 7AM-5PM USAGE		

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE D4

PERCENT OF STUDENT STATIONS IN USE WHEN TEACHING LABORATORIES WERE IN USE 7AM-5PM

INSTITUTION	ENROLLMENT	PERCENT OF STATION UTILIZATION WHEN IN USE
STATE UNIVERSITIES		
EASTERN ILL U	3435	77.7
ILL STATE NORMAL U	6015	79.8
NO ILL U	9137	74.5
SO ILL U	11619	76.8
SO ILL-EDWSVILLE	4625	62.2
U OF ILL	24169	62.6
U OF ILL-NAVY PIER	4597	79.7
WESTERN ILL U	3797	74.0
MEAN		
PUBLIC TEACHERS COLLEGES		
CHGO TCH COLLEGE S	5727	84.3
CHGO TCH COLLEGE N	1645	50.1
MEAN		67.2
PUBLIC 2-YEAR COLLEGES		
CENTRALIA TWP JR C	465	
CC JC ANUNDSEN	3038	
CC JC BCGAN	3156	
CC JC CRANE	2421	
CC JC WRIGHT	7695	
CC JC FINGER	1149	
CC JC LCUP	2479	
MEAN		42.4
NONPUBLIC UNIVERSITIES		
X2	5200	
X7	5688	
X14	8233	
X19	1918	
X21	8187	
X24	9955	
X27	7109	
X30	1181	
X32	16636	
MEAN		68.0
NONPUBLIC COLLEGES		
C1	1197	
C3	2404	
C6	399	
C8	656	
C9	856	
C10	449	

C11	1346
C12	541
C13	659
C15	1532
C17	636
C18	598
C20	416
C22	978
C23	551
C25	310
C26	1436
C28	1693
C29	1148
C31	971
C33	1226
C34	718
C35	1125
C36	1913
C37	1138
C38	1199
C39	1225
C41	526
C43	891
C44	1140
C45	280
MEAN	
NONPUBLIC 2-YEAR COLLEGES	
N4	229
N5	703
N16	473
N40	404
MEAN	

INSTITUTIONS WITH SHARED FACILITIES	
N42	114
BELLEVILLE JR COLL	2238
BLOOM TWP COMM C	759
CANTON COMM C	469
CC JC SCUTHEAST	2517
CC JC WILSCN	4866
DANVILLE JR C	554
ELGIN COMM C	1283
JOLIET JR C	2099
LA SALLE-PERU-OGSBY	398
LYONS TWP JR C	914
BLACK HAWK C	1503
MORTON JR C	1777
MT VERNON COMM C	343
S EASTERN ILL C	269
THURNTON JR C	1720
WABASH VALLEY C	286
MEAN-GRAND	
MEDIAN-GRAND	

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE DS

SQUARE FEET OF ASSIGNABLE FLOOR SPACE PER 100 HOURS OF TEACHING LABORATORY OCCUPANCY

INSTITUTION	ENROLLMENT	TOTAL TEACHING LAB AREA	TOTAL CLOCK-HOURS IN LAB	SQ.FT. PER 100 HOURS OF OCCUPANCY
STATE UNIVERSITIES				
EASTERN ILL U	3435	32436	12979	250
ILL STATE NORMAL U	6015	46159	11032	418
NO ILL U	9137	52595	10493	501
SO ILL U	11619	151882	36060	421
SO ILL-EDWNSVILLE	4625	13914	1922	723
U OF ILL	24169	503955	108213	466
U OF ILL-NAVY PIER	4597	81839	23327	350
WESTERN ILL U	3797	103177	17074	604
MEAN				467□
PUBLIC TEACHERS COLLEGES				
CHGO TCH COLLEGE S	5727	12996	7699	168
CHGO TCH COLLEGE N	1645	6126	2098	291
MEAN				230□
PUBLIC 2-YEAR COLLEGES				
CENTRALIA TWP JR C	465			
CC JC AMUNDSEN	3038			
CC JC BGGAN	3156			
CC JC CRANE	2421			
CC JC WRIGHT	7695	8972	8010	112
CC JC FINGER	1149	2048	404	506
CC JC LCOP	2479			309□
MEAN				
NONPUBLIC UNIVERSITIES				
X2	5200	62595	11516	544
X7	5688			
X14	8233			
X19	1918	29360	2797	1049
X21	8187	7935	1898	418
X24	9955	10990	6234	176
X27	7109	107119	14413	743
X30	1181	12438	1588	783
X32	16636			619□
MEAN				
NONPUBLIC COLLEGES				
C1	1197			
C3	2404			
C6	399			
C8	656			
C9	856			
C10	449			
				1521
				1781
				432
				405

C11	13621	1603	850
C12	541	1685	581
C13	659		
C15	1532		
C17	636/	3710	427
C18	598	6593	575
C20	416	4084	427
C22	978	13423	1607
C23	551	15918	835
C25	310	1893	2317
C26	1436	705	687
C28	1693		268
C29	1148	7951	510
C31	971	1226	348
C33	1226	9976	364
C34	718	3477	954
C35	1125	51727	755
C36	1913	6846	
C37	1138	1270	1466
C38	1199	18613	
C39	1225	8939	1109
C41	526		806
C43	891	15379	759
C44	1140	5050	485
C45	280		502
MEAN			816□
NONPUBLIC 2-YEAR COLLEGES			
N4	229	3601	1099
N5	703	11423	1608
N16	473	1500	353
N40	404	2018	471
MEAN			472□
INSTITUTIONS WITH SHARED FACILITIES			
N42	114	3344	323
	2238	23440	10749
	759	3285	218
	469	7053	297
	2517	5500	563
	4866	8994	1251
	554	4491	382
	1283	7170	1438
	2099		4622
	398		194
	914		928
	1503		485
	1777		926
			485
			1526
JOLIET JR C			469
LASALLE-PERU-GGSBY			1653
LYONS TWP JR C			406
BLACK HAWK C			517
MORTCN JR C			281
MT VERNON COMM C			364
S EASTERN ILL C			364
THORNTON JR C			580
HABASH VALLEY C			859
MEAN-GRAND			810
MEDIAN-GRAND			450

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE F1

SUMMARY OF TOTAL OFFICE SPACE

INSTITUTION	TOTAL AREA SQ.FT.	HEAD COUNT OCCUPANCY			SQ.FT. PER OCCUPANT
		FULL TIME ACAD	PART TIME & GRAD ASST.	NON-ACAD	
STATE UNIVERSITIES					
EASTERN ILL U	323382	202	2	51	255
ILL STATE NORMAL U	50713	351	10	123	484
NO ILL U	81954	457	139	213	809
SO ILL U	205395	960	699	1135	3094
SO ILL-EDWISVILLE	55867	164	31	280	475
U OF ILL	779882	2810	2873	2314	7997
U OF ILL-NAVY PIER	60870	315	53	214	582
WESTERN ILL U	40198	213	16	93	322
MEAN					105.5 ^a
PUBLIC TEACHERS COLLEGES					
CHGO TCH CCOLLEGE S	15192	109			139.3
CHGO TCH CCOLLEGE N	10531	118			87.0
MEAN			3		113.2 ^a
PUBLIC 2-YEAR COLLEGES					
CENTRALIA TWP JR C					
CC JC AMUNDSEN					
CC JC BCGAN					
CC JC CRANE	13741	185	100	45	41.6
CC JC WRIGHT		22	101	42	43.8
CC JC FINGER					42.7 ^a
CC JC LCOP					
MEAN					
NONPUBLIC UNIVERSITIES					
X2	36672	191	22	81	294
X7					
X14					
X19	22919	56	31	15	102
X21	49345	252	5	179	436
X24	46568	290	179	116	585
X27	106897	241	197	229	657
X30	21138	101	3	144	146.8
X32	MEAN				141.9 ^a
NONPUBLIC COLLEGES					
C1					
C3					
C6					
C8					
C9					
C12	6477	28			21
					49
					132.1

C11	10343	40	35	80	129.3
C12	9481	54	21	76	124.7
C13					
C15	10736	42	29	73	147.0
C17	2965	15	6	21	141.1
C18	6788	35	23	58	137.0
C20	17082	91	7	89	191.9
C22	9985	49	32	81	123.2
C23	6095	21	22	43	141.7
C25					
C26					
C28					
C29	16518	63	4	99	166.8
C31					
C33	8362	30	4	56	149.3
C34					
C35	25420	131	3	195	130.3
C36					
C37	19357	62	15	41	165.5
C38					
C39	7232	29	3	20	139.1
C41					
C43	29246	80	67	47	198.9
C44	7270	24	25	49	148.3
C45	MEAN				146.6 ^a
NONPUBLIC 2-YEAR COLLEGES					
N4	8256	24	18	42	196.5
N5	4606	24	5	34	135.4
N16	6276	39	18	62	101.2
N40	3221	16	8	43	74.9
	MEAN		21		127.0 ^a
INSTITUTIONS WITH SHARED FACILITIES					
N42	2247	34	2	34	66.0
BELLEVILLE JR COLL	1883	19	21	89.6	
BLOOM TWP COMM C	819	7	16	51.1	
CANTON COMM C	4400	45	58	75.8	
CC JC SCOUTHEAST	11598	100	42	81.6	
CC JC WILSON	936	1	2	312.0	
DANVILLE JR C	1846	17	17	108.5	
ELGIN COMM C	8572	73	7	107.1	
JOLIET JR C	956	6	80	159.3	
LASALLE-PERU-OGSBY			6		
LYONS TWP JR C	3488	26	34	102.5	
BLACK HAWK C		2	109	98.6	
MORTON JR C	10750	38	48	286.5	
MT VERNON COMM C	573	2	2	120.4	
S EASTERN ILL C	1566	7	13	108.5	
THORNTON JR C	1085	6	10	100.5	
WABASH VALLEY C	600	3	6		
MEAN-GRAND				127.9 ^a	
MEIAN-GRANO				128.2	

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE F2

OFFICE AREA OCCUPIED BY FULL TIME ACADEMIC PERSONNEL ONLY

INSTITUTION	TOTAL AREA*	HEAD COUNT FULL TIME ACADEMIC	SQ.FT. PER OCCUPANT
STATE UNIVERSITIES			
EASTERN ILL U	22527	182	123
ILL STATE NORMAL U	22291	259	86
NO ILL U	21778	221	98
SO ILL U	61534	551	111
SO ILL-EDWSVILLE	13976	142	98
U OF ILL	262941	2134	123
U OF ILL-NAVY PIER	10507	71	147
WESTERN ILL U	13954	138	101
MEAN			111 ^a
WEIGHTED-MEAN			116 ^a
PUBLIC TEACHERS COLLEGES			
CHGO TCH CCLEGE S	9734	101	96
CHGO TCH CCLEGE N	3360	75	44
MEAN			70 ^a
WEIGHTED-MEAN			74 ^a
PUBLIC 2-YEAR COLLEGES			
CENTRALIA TWP JR C			
CC JC AMUNDSEN			
CC JC BCGAN			
CC JC CRA'E			
CC JC WRIGHT			
CC JC FINGER			
CC JC LCGP			
MEAN			
WEIGHTED-MEAN			
NONPUBLIC UNIVERSITIES	17532	144	121
X2			
X7			
X14			
X19	5916	43	137
X21	19309	230	83
X24	17008	165	103
X27	21636	168	128
X30	11424	86	132
X32			
MEAN			
WEIGHTED-MEAN			
NONPUBLIC COLLEGES			
C1			
C3			
C6			
C8			
C9			
C10			
	2644	28	94

* TOTAL AREA DOES NOT INCLUDE CONFERENCE ROOMS

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE F3

OFFICE AREA OCCUPIED BY PART TIME FACULTY AND GRADUATE ASSISTANTS ONLY

INSTITUTION	TOTAL AREA*	HEAD COUNT	SQ.FT. PER OCCUPANT
STATE UNIVERSITIES			
EASTERN ILL U			
ILL STATE NORMAL U			
NU ILL L	2694	25	107
SO ILL U	20166	388	51
SO ILL-EDWSVILLE	2664	26	102
U OF ILL	118483	2201	53
U OF ILL-NAVY PIER	1198	11	108
WESTERN ILL U	220	2	110
MEAN			89 ^a
WEIGHTED-MEAN			55 ^b
PUBLIC TEACHERS COLLEGES			
CHGO TCH CCLEGE S			
CHGO TCH CCLEGE N			
MEAN		x	
WEIGHTED-MEAN		x	
PUBLIC 2-YEAR COLLEGES			
CENTRALIA TWP JR C			
CC JC AUNDESEN			
CC JC BCGAN			
CC JC CRANE			
CC JC WRIGHT			
CC JC FINGER			
CC JC LCOP			
MEAN		x	
WEIGHTED-MEAN		x	
NONPUBLIC UNIVERSITIES			
X2	195	4	48
X7			
X14			
X19			
X21			
X24			
X27			
X30			
X32			
MEAN			68 ^a
WEIGHTED-MEAN			89 ^a
NONPUBLIC COLLEGES			
C1			
C3			
C6			
C8			
C9			
C10			

NONPUBLIC 2-YEAR COLLEGES	INSTITUTIONS WITH SHARED FACILITIES
N4	MEAN
N5	WEIGHTED-MEAN
N16	
N40	

* TOTAL AREA DOES NOT INCLUDE CONFERENCE ROOMS

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE F4

OFFICE AREA OCCUPIED BY NON-ACADEMIC PERSONNEL ONLY

INSTITUTION	TOTAL AREA*	HEAD COUNT	SQ.FT. PER OCCUPANT
STATE UNIVERSITIES			
EASTERN ILL U	3963	25	158
ILL STATE NORMAL U	8296	76	109
NO ILL U	9857	83	118
SD ILL U	39310	536	73
SO ILL-EOWSVILLE	32341	267	121
U OF ILL	187753	1935	97
U OF ILL-NAVY PIER	14597	142	102
WESTERN ILL U	5727	35	163
MEAN			118 ^a
WEIGHTED-MEAN			97 ^a
PUBLIC TEACHERS COLLEGES			
CHGO TCH COLLEGE S	460	3	460
CHGO TCH COLLEGE N	460 ^a		460 ^a
MEAN			
WEIGHTED-MEAN			
PUBLIC 2-YEAR COLLEGES			
CENTRALIA TWP JR C			
CC JC AMUNDSEN	1380		
CC JC BOGAN			
CC JC CRANE			
CC JC WRIGHT			
CC JC FINGER			
CC JC LOOP			
MEAN			
WEIGHTED-MEAN			
NONPUBLIC UNIVERSITIES			
X2	1920	23	83
X7			
X14			
X19	5887	33	208
X21	22701	139	163
X24	9824	65	151
X27	24146	136	177
X30	3621	21	172
X32	MEAN	159 ^a	166 ^a
	WEIGHTED-MEAN		
NONPUBLIC COLLEGES			
C1			
C3			
C6			
C8			
C9			
C10			
	3833	21	182

C11	4968	34	146
C12	1637	12	136
C13			
C15	6090	26	234
C17	1629	16	101
C18			
C20	4416	30	147
C22	3125	18	173
C23			
C25			
C26			
C28	4074	29	140
C29	C31	21	161
C33			
C34	3392		
C35	6129	47	130
C36			
C37	5422	34	159
C38			
C39	2877	20	143
C41			
C43	6405	23	278
C44	2610	25	104
C45			
MEAN			160□
WEIGHTED-MEAN			159□
NONPUBLIC 2-YEAR COLLEGES			
N4	3772	17	221
N5	677	4	169
N16	870	16	54
N40	1844	21	87
MEAN			133□
WEIGHTED-MEAN			124□
INSTITUTIONS WITH SHARED FACILITIES			
N42			
BELLEVILLE JR COLL	483	2	241
BLOOM TWP COMM C	165	2	82
CANTON COMM C			
CC JC SOUTHEAST			
CC JC WILSON	124	4	31
DANVILLE JR C	624	2	312
ELGIN COMM C			
JOLIET JR C			
LASALLE-PERU-OGS8Y			
LYONS TWP JR C			
BLACK HAWK C			
MORTON JR C			
MT VERNON COMM C			
S EASTERN ILL C			
THORNTON JR C			
WABASH VALLEY C			
MEAN-GRAND			155□
MEAN-GRAND WEIGHTED			111□
MEDIAN-GRAND			147□

* TOTAL AREA DOES NOT INCLUDE CONFERENCE ROOMS

INSTITUTIONS WITH SHARED FACILITIES

**INSTITUTIONS WITH
N42**

BELLEVILLE JR COLL
BLOOM TWP COMM C
CANTON COMM C
CC JC SCU THE EAST
CC JC WILSON
DANVILLE JR C
ELGIN COMM C
JOLIET JR C
LASALLE-PERU-GGSBY
LYONS TWP JR C
BLACK HAWK C
MORTON JR C
MT VERNON COMM C
S EASTERN ILL C
THORNTON JR C
WABASH VALLEY C

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE 6

SUMMARY OF LIBRARY SPACE

INSTITUTION	ENROLLMENT	SUMMARY OF LIBRARY SPACE			NO. OF PERIODICALS		
		STACK AND SERV. AREA NET SQ.FT.	READING AND STUDY AREA NET SQ.FT.	AREA OF CARRELS NET SQ.FT.	NO. OF CARRELS	NO. OF BOUND VOLUMES	NO. OF PER STU
		TOTAL PER STU	TOTAL PER STU			TOTAL PER STU	TOTAL PER STU
STATE UNIVERSITIES							
EASTERN ILL U	3435	10854	3.1	10750	3.1	84	983 .3
ILL STATE NORMAL U	6015	27667	4.5	14022	2.3	672	879 .1
NU ILL U	9137	17907	1.9	13646	1.4	39	1643 .2
SO ILL U	11619	67142	5.7	39169	3.3	764500	4345 .3
SO ILL-EDWSSVILLE	4625	10714	2.3	4924	1.0	101619	1591 .3
U OF ILL	24169	246494	10.2	111182	4.6	242	21382 .8
U OF ILL-NAVY PIER	4597	20857	4.5	15376	3.3	140883	900 .2
WESTERN ILL U	3797	15245	4.0	18048	4.7	68	113500 .3
MEAN			4.5 ^a	3.0 ^a		47 ^a	.3 ^a
PUBLIC TEACHERS COLLEGES							
CHGO TCH COLLEGE S	5727	3434	.5	8766	1.5	85168	552 .2
CHGO TCH CCLEGE N	1645	448	.2	3952	2.4	266	330 .2
MEAN			.4 ^a	2.0 ^a			
PUBLIC 2-YEAR COLLEGES							
CENTRALIA TWP JR C		465					
CC JC AMUNDSEN		3038					
CC JC BCGAN		3156					
CC JC CRANE		2421					
CC JC WRIGHT		7695					
CC JC FENGER		1149					
CC JC LCOP		2479					
MEAN							
NONPUBLIC UNIVERSITIES							
X2		5200					
X7		5688					
X14		8233					
X19		1918					
X21		7905	4.1	5384	2.8	10 67543	35 .1
X24		8187	1.6	11557	1.4	21 187075	22 .1
X27		9955	2.4	24222	2.2	20 223665	22 .1
X30		7109	6.7	48200	6.2	1000000 140 11500	1.6
X32		1181	3.0	3285	2.7	76754 64 650	.5
MEAN		16636				51 ^a	.4 ^a
NONPUBLIC COLLEGES							
C1		1197					
C3		2404					
C6		399					
C8		656					
C9		4324	6.5	1369	2.0	53641 81	.7
C10		856	4.0	2696	3.1	85000 99	.3

C11	9600	7.1	8226	6.1	448	96	28	50000	37	437	.3
C12	4608	8.5	2624	4.8			6	38000	70	200	.3
C13	541										
C15	659										
C17	1532	1400	2.2	3900	6.1						
C18	636	2836	4.7	2715	4.5						
C20	598	2790	6.7	432	1.0						
C22	416	5885	6.0	5306	5.4						
C23	978	9600	17.4	26400	47.9						
C25	551										
C26	310										
C28	1436										
C29	1693										
C31	1148										
C33	971										
C34	1226										
C35	5242	4.2	4770	3.8	216						
C36	1125	4265	5.9	4500	6.2	2635					
C37	1913	8744	4.5	11509	6.0	1000					
C38	1138	15900	13.2	6460	5.3	1080					
C39	1199	1225									
C41	526	3558	6.7	2800	5.2	507					
C43	891	1140	7.7	16575	14.5	616					
C44	280	2000	7.1	2500	8.9						
C45			7.3□	8.1□							
MEAN											
NONPUBLIC 2-YEAR COLLEGES											
N4	229	1050	4.5	3366	14.6						
N5	703	480	.6	1668	2.3						
N16	473	1344	2.8	1720	3.6						
N40	404	684	1.6	914	2.2						
MEAN			2.4□	5.7□							
INSTITUTIONS WITH SHARED FACILITIES											
N42	114										
BELLEVILLE JR COLL	2238	1056	.5	1892	.8						
BLOOM TWP COMM C	759	1667	2.1	1712	2.2						
CANTON COMM C	469	320	.6	1475	3.1						
CC JC SOUTHEAST	2517	1128	.4	856	.3						
CC JC WILSON	4866	3523	.7	10567	2.1						
DANVILLE JR C	554			1097	1.9						
ELGIN COMM C	1283	950	.7	2500	1.9						
JOLIET JR C	2099	796	.4	2526	1.2						
LASALLE-PERU-OGSBY	398	3600	9.0	3600	9.0						
LYONS TWP JR C	914	640	.7	1219	1.3						
BLACK HAWK C	1503	544	.3	2689	1.7						
MORTON JR C	1777	1456	.8	1410	.7						
MT VERNON COMM C	343	903	2.6	800	2.3						
S EASTERN ILL	269	82	.3	1103	4.1						
THORNTON JR C	1720	988	.5	1560	.9						
HABASH VALLEY C	286			4320	15.1						
MEAN-GRAND				4.9□	5.4□						
MEDIAN-GRAND				4.5□	3.6□						

STATE OF ILLINOIS BOARD OF HIGHER EDUCATION
MASTER PLAN STUDY COMMITTEE I - PHYSICAL FACILITIES

SCHEDULE H

SUMMARY OF SERVICE AND MAINTENANCE SPACE FOR BUILDING AND GROUNDS

INSTITUTION	ENROLLMENT	SERV. NET SQ.FT.	STOREROOM NET SQ.FT.	WAREHOUSE NET SQ.FT.	GARAGE NET SQ.FT.	TOT. SERV. AND MAINT. NET SQ.FT.	SERV. AND MAINTENANCE SPACE PER STUDENT
STATE UNIVERSITIES							
EASTERN ILL U	3435	7155	5320	14714		12475	3.6
ILL STATE NORMAL U	6015	9810	5684	20798		30208	5.0
NO ILL U	9137	8065	19720			56709	6.2
SO ILL U	11619	16530	2050	6200		32840	2.8
SO ILL-EDWNSVILLE	4625	4931	7466	25094		41218	8.9
U OF ILL	24169	22901	6441	53688		100878	4.1
U OF ILL-NAVY PIER	4597	10375	11020	6355		27750	6.0
WESTERN ILL U	3797	3976	1600	10176		22442	5.9
MEAN						6690	5.3□
PUBLIC TEACHERS COLLEGES							
CHGO TCH COLLEGE S	5727	1530	900			2430	•4
CHGO TCH COLLEGE N	1645		10000			10175	6.1
MEAN						175	3.3□
PUBLIC 2-YEAR COLLEGES							
CENTRALIA TWP JR C	465						
CC JC AUNDSEN	3038						
CC JC BGGAN	3156						
CC JC CRANE	2421						
CC JC WRIGHT	7695						
CC JC FINGER	1149						
CC JC LCCP	2479						
MEAN							
NONPUBLIC UNIVERSITIES							
X2	5200						
X7	5688						
X14	8233						
X19	1918						
X21	8187						
X24	9955						
X27	7109						
X30	1181						
X32	16636						
MEAN							
NONPUBLIC COLLEGES							
C1	1197						
C3	2404						
C6	399						
C8	656						
C9	856						
C10	449						

C1.1	1346	2700	2272	4972	3.6
C1.2	541	90	120	4950	9.1
C1.3	659				
C1.5	1532	900	10000	10900	17.1
C1.7	636				
C1.8	598				
C2.0	416	3194	581	7550	18.1
C2.2	978	9836	5972	19552	19.9
C2.3	551	2500	3000	9100	16.5
C2.5	310				
C2.6	1436				
C2.8	1693				
C2.9	1148				
C3.1	971	2400	17100	20900	21.5
C3.3	1226				
C3.4	718	4161	858	5019	6.9
C3.5	1125				
C3.6	1913	5560	3324	22864	11.9
C3.7	1138				
C3.8	1199	15000	8792	24692	20.6
C3.9	1225				
C4.1	526	2619	1091	540	8.0
C4.3	891				
C4.4	1140	13500	1050	4250	18.8
C4.5	280	1000	500	21520	5.3
MEAN					
NONPUBLIC 2-YEAR COLLEGES					
N4	229	1164	2328	3492	15.2
N5	703	703	280	3430	7.2
N16	473	2650	225	802	1.9
N40	404	532			8.1
INSTITUTIONS WITH SHARED FACILITIES					
N42	114				
BELLEVILLE JR COLL	2238				
BLOOM TWP COMM C	759	1180	840	3120	4.1
CANTON COMM C	469	1500		2500	5.3
CC JC SCUTHEAST	2517				
CC JC WILSON	4866	2800	300	3100	.6
DANVILLE JR C	554				
ELGIN COMM C	1283				
JOLIET JR C	2099	529	280	3509	1.6
LASALLE-PERU-OGSBY	398	2400		7400	18.5
LYONS TWP JR C	914	2590		10396	11.3
BLACK HAWK C	1503	682		682	.4
MORTON JR C	1777	5918		6747	3.8
MT VERNON COMM C	343	1296		5768	16.8
S EASTERN ILL C	269	1180		2827	10.5
THORNTON JR C	1720	1077	100	1600	
WABASH VALLEY C	286			210	
MEAN-GRAND					
MEDIAN-GRAND					

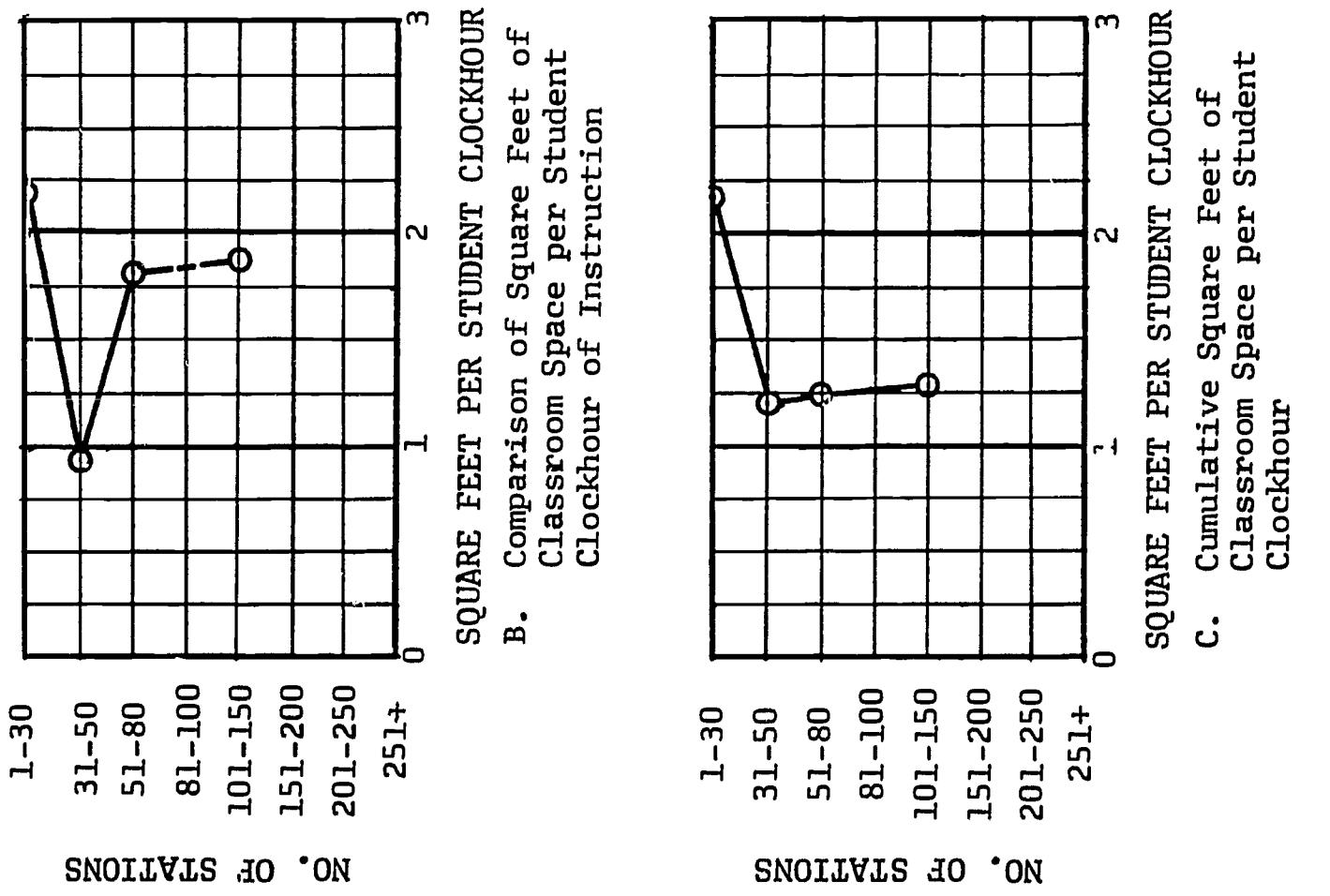
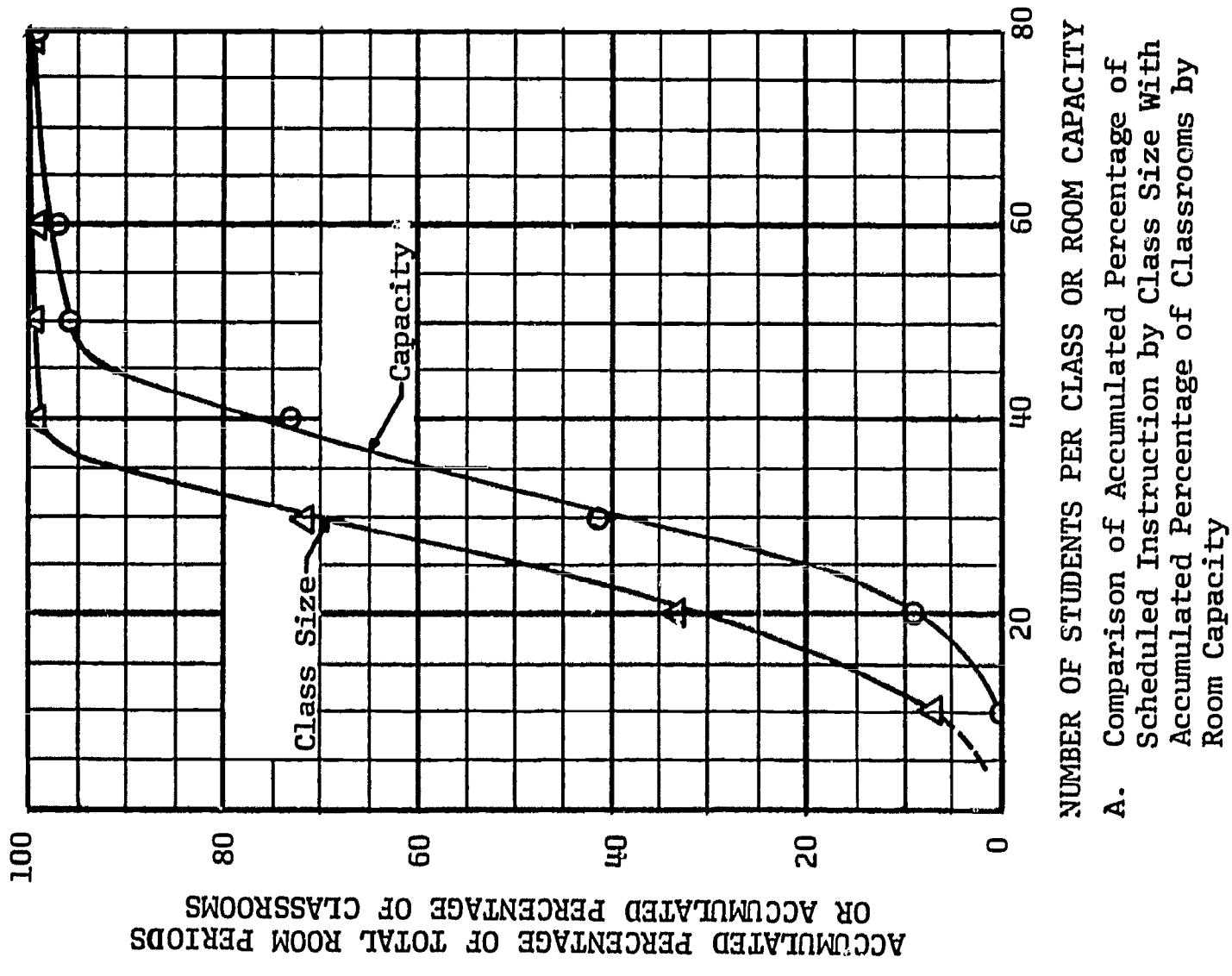


Figure 1-1 Graphical Representation of Classroom Usage, 7AM-5PM INSTITUTION Eastern Illinois University

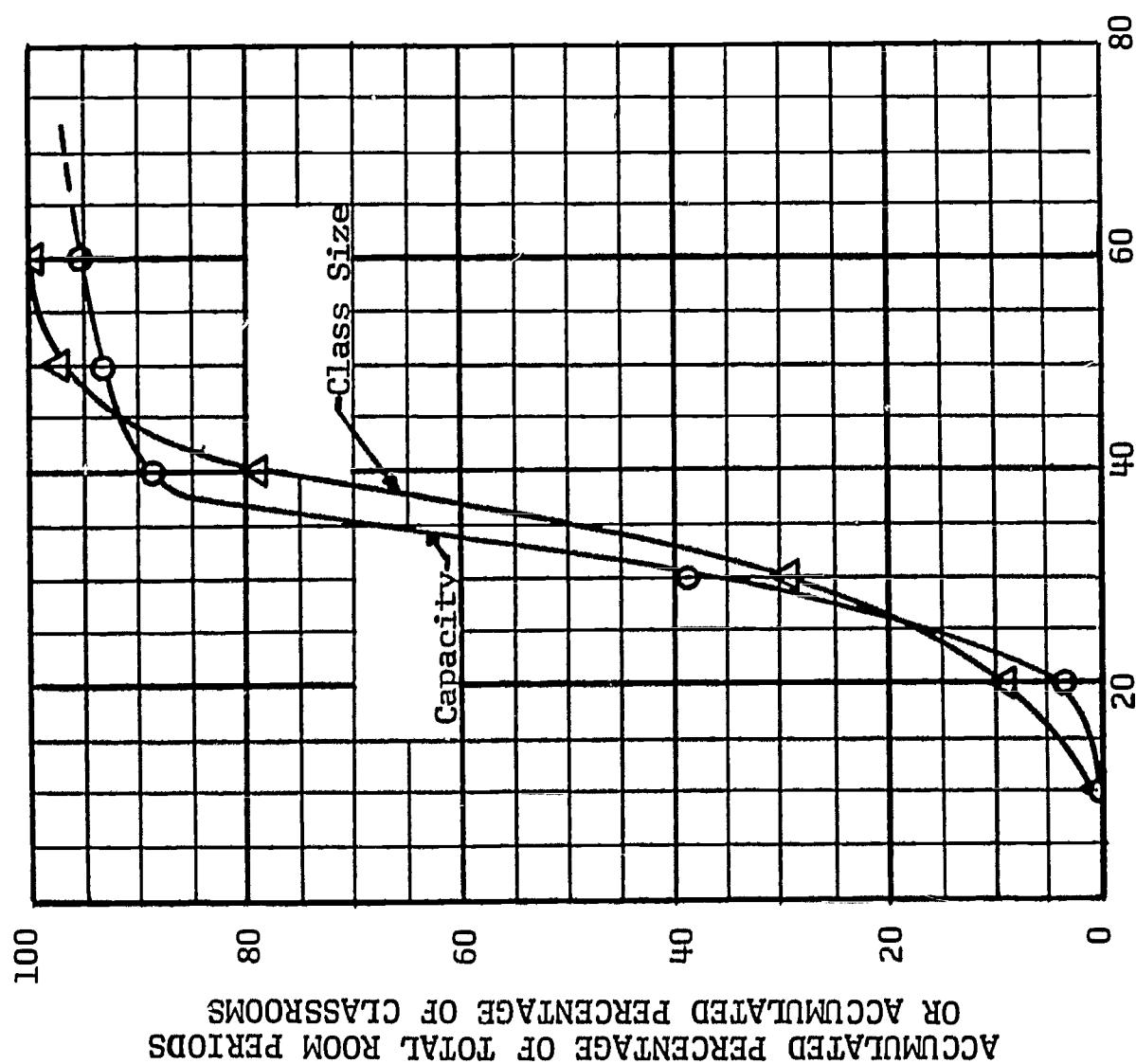
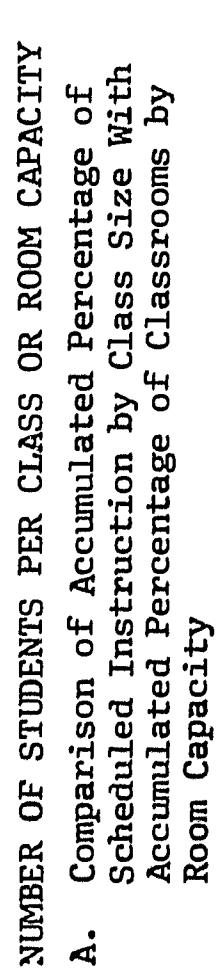
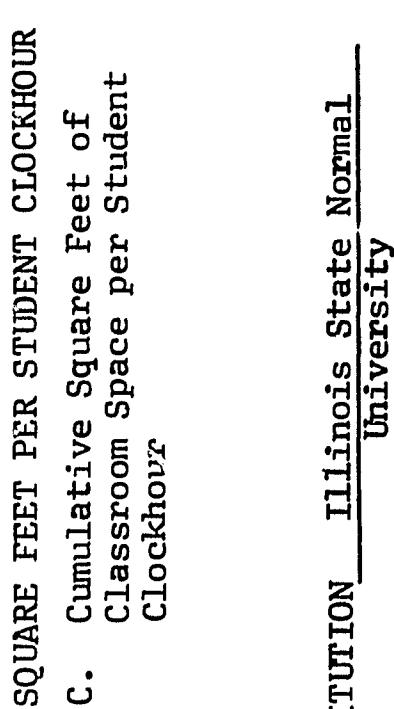
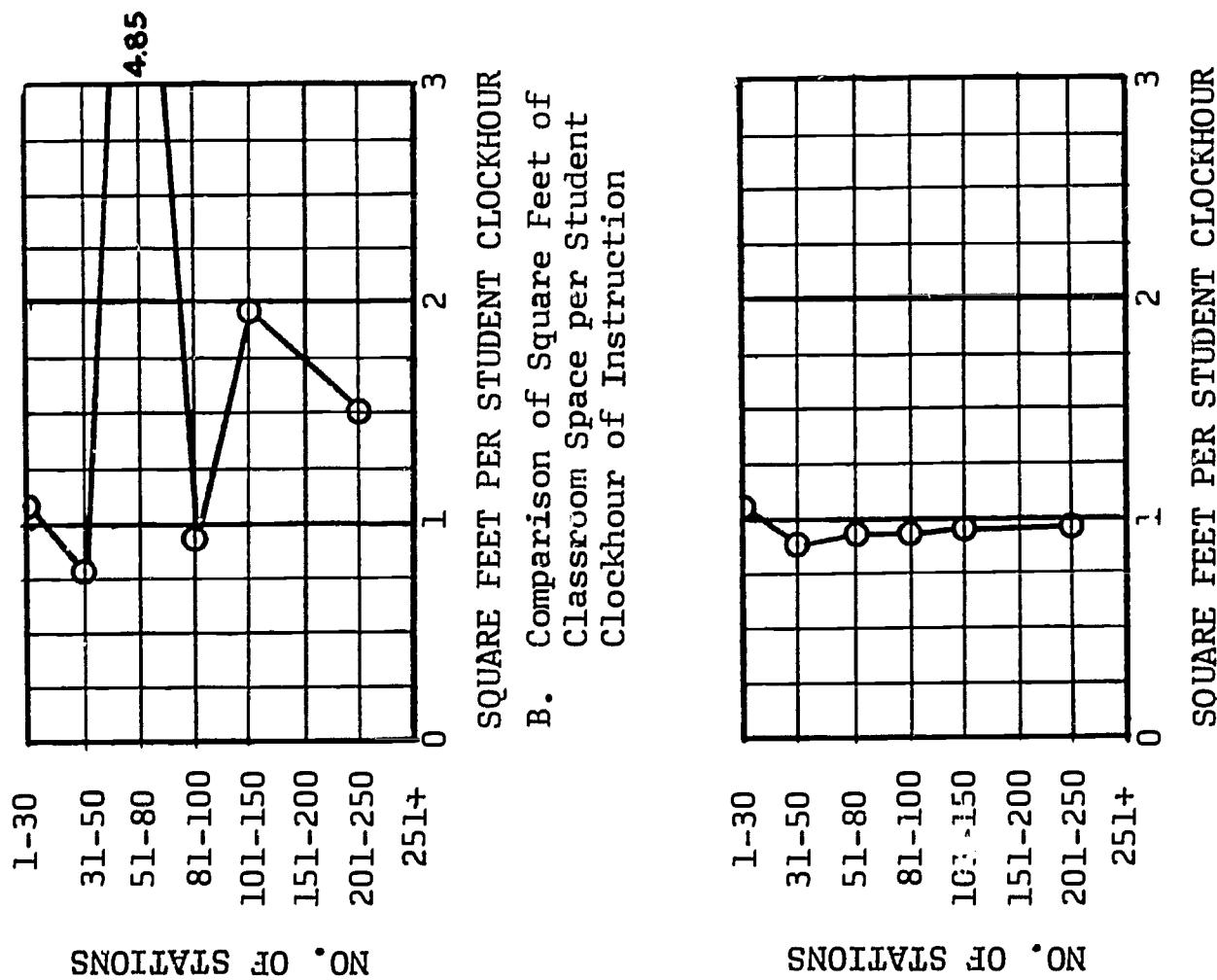
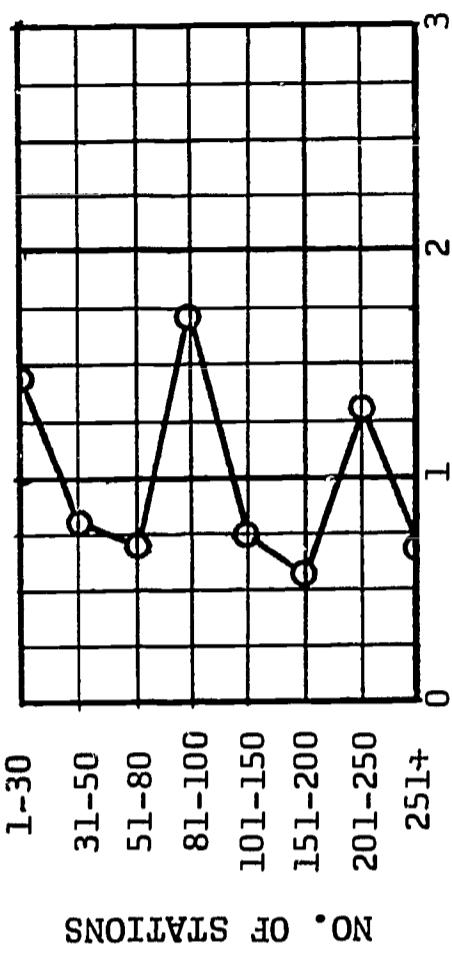
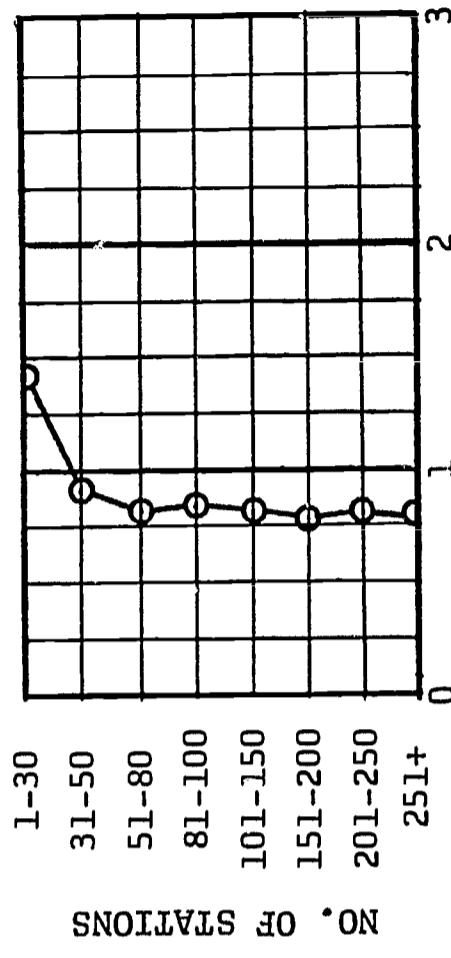


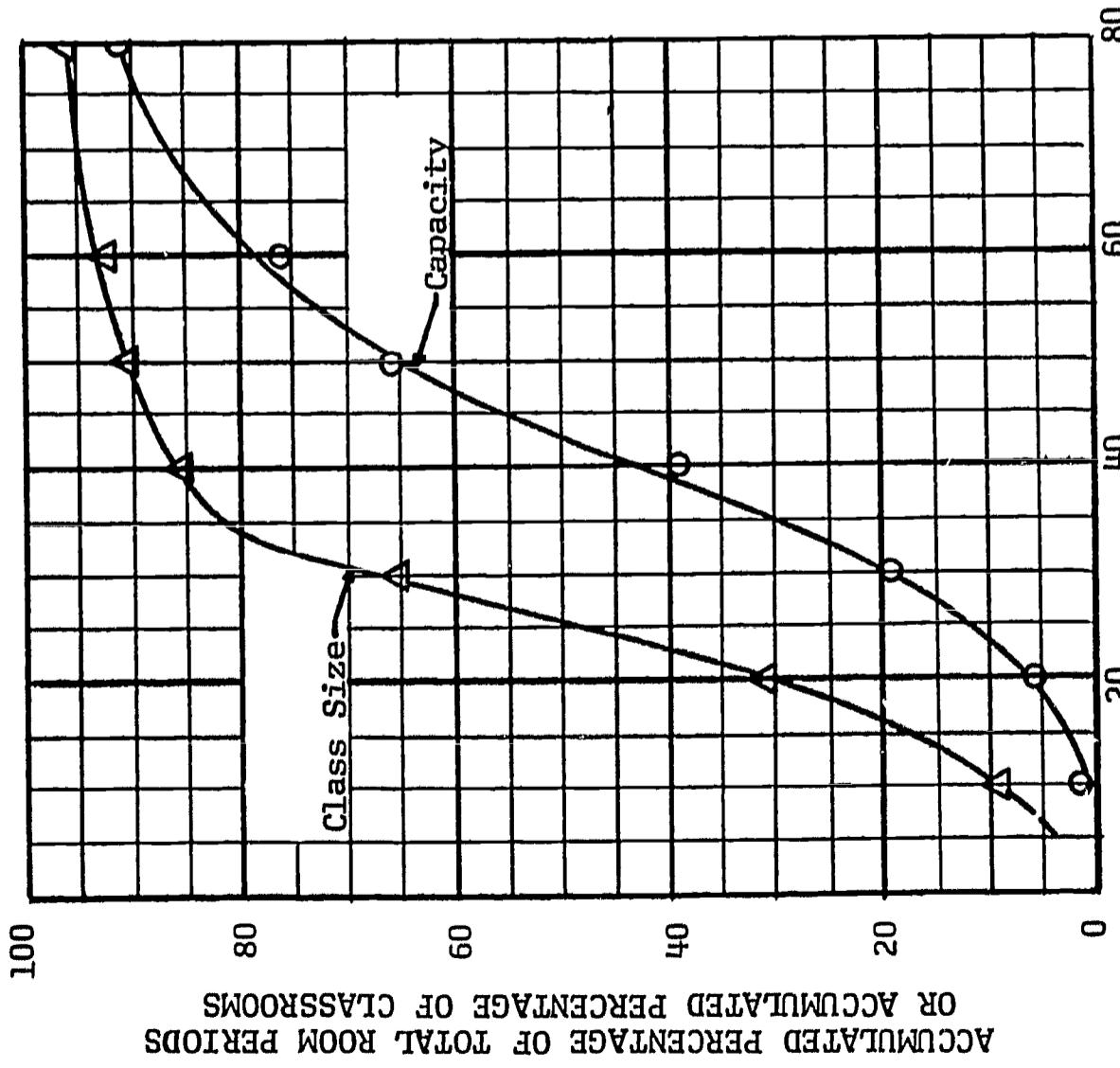
Figure 1-2 Graphical Representation of Classroom Usage, 7AM-5PM



B. Comparison of Square Feet of Classroom Space per Student Clockhour of Instruction



C. Cumulative Square Feet of Classroom Space per Student Clockhour



A. Comparison of Accumulated Percentage of Scheduled Instruction by Class Size With Accumulated Percentage of Classrooms by Room Capacity

Figure 1-3 Graphical Representation of Classroom Usage, 7AM-5PM

INSTITUTION Northern Illinois University

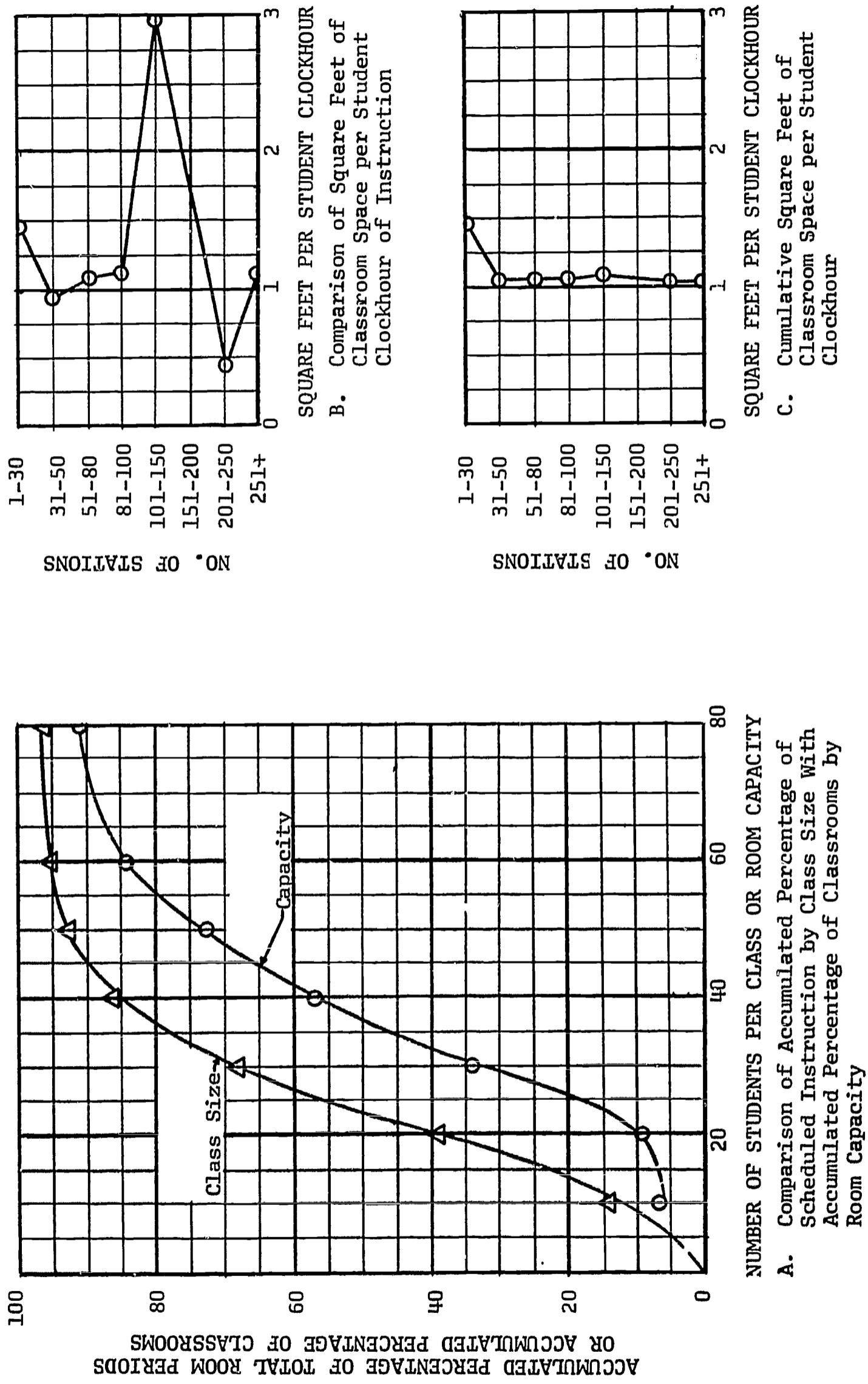
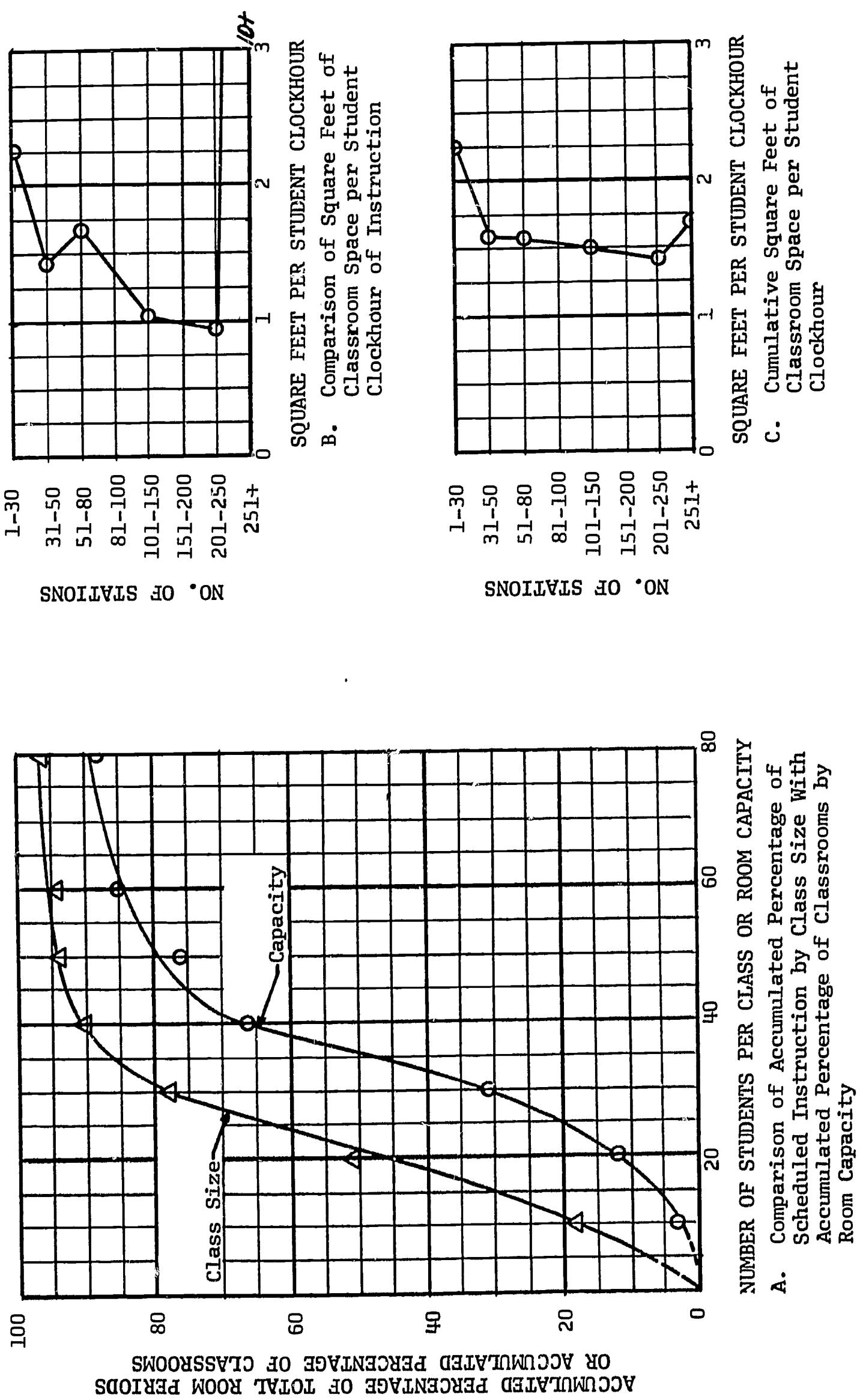
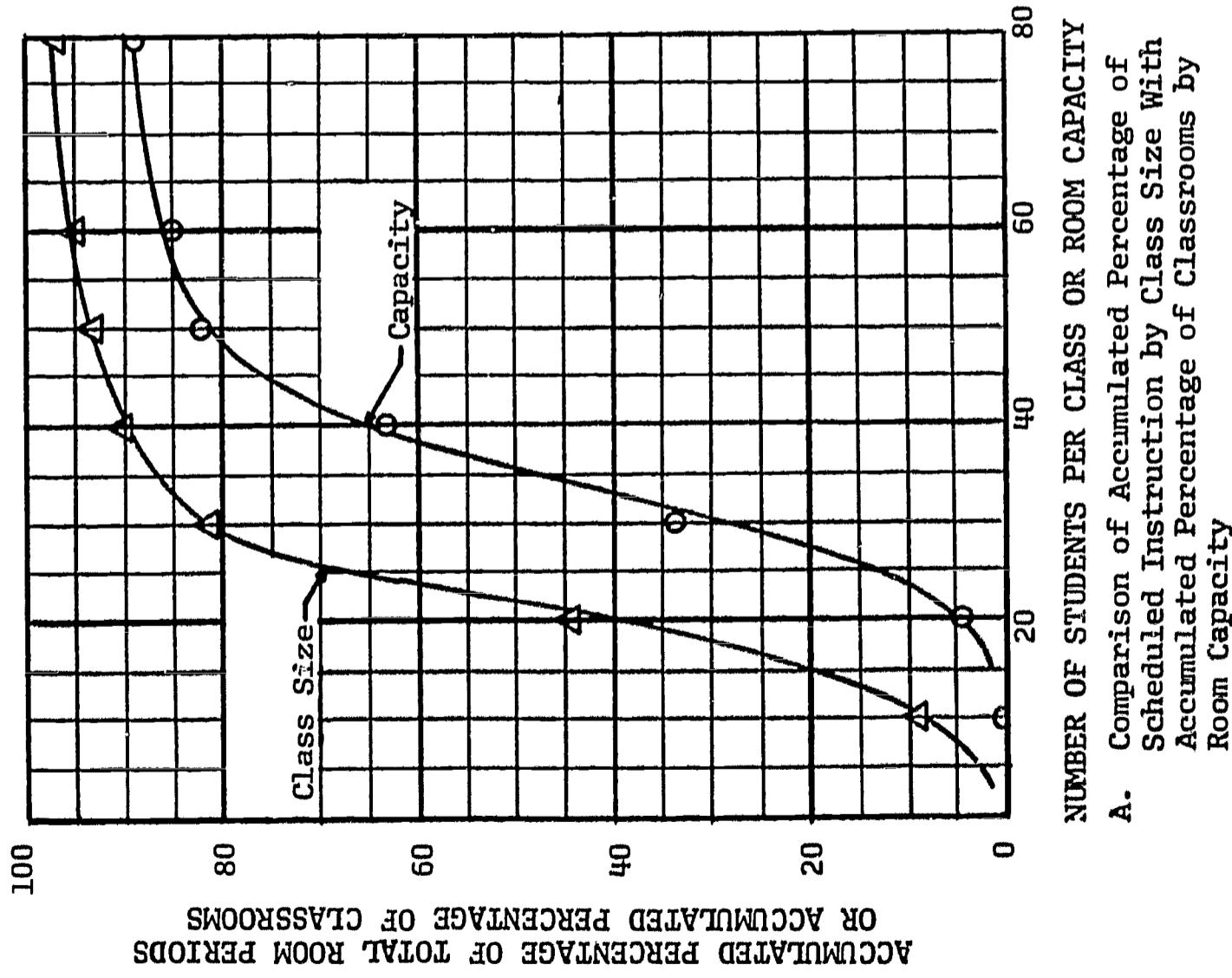
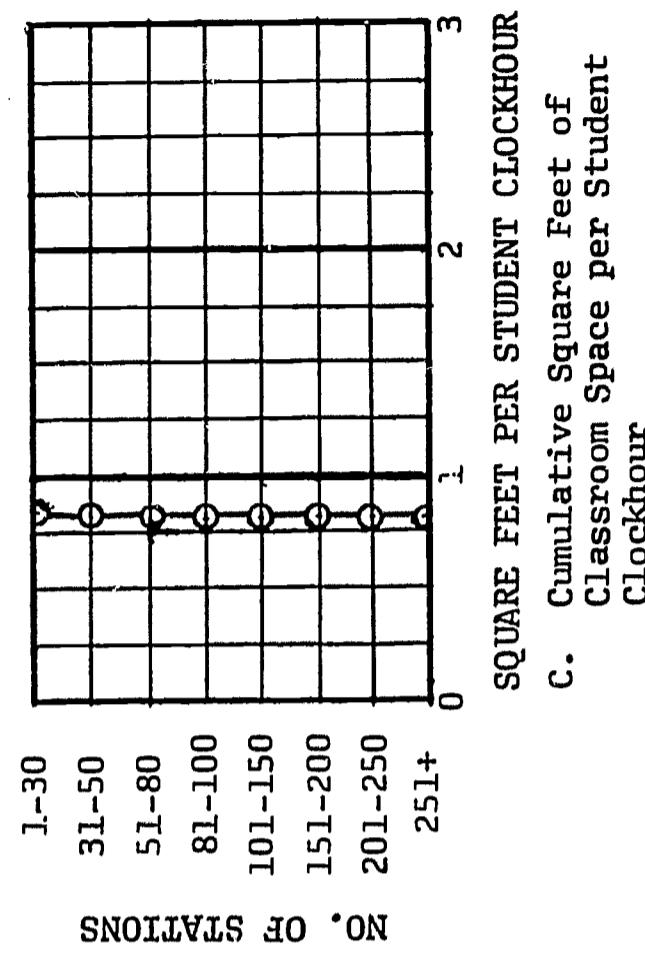
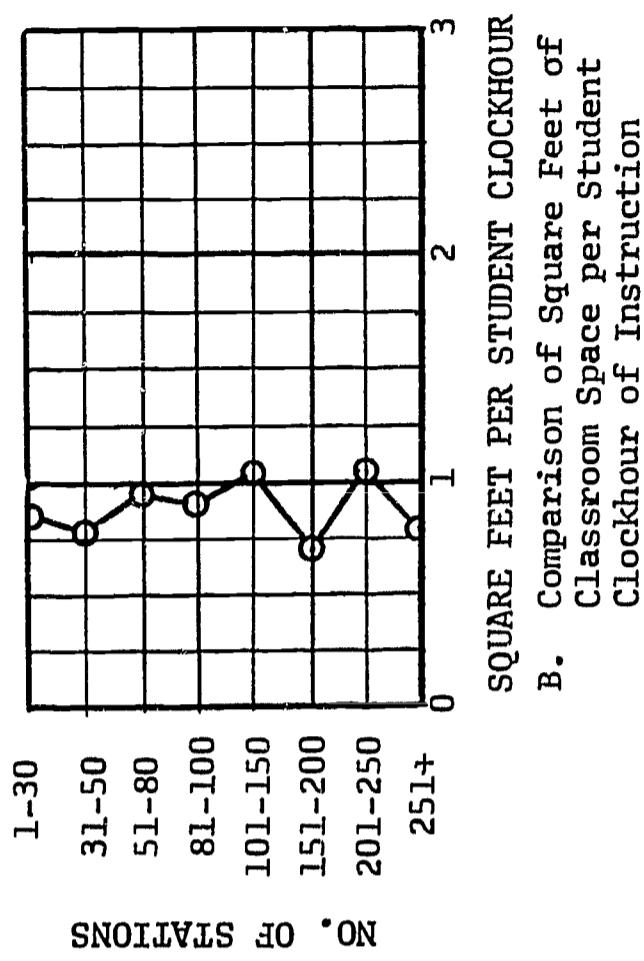


Figure 1-4 Graphical Representation of Classroom Usage, 7AM-5PM
INSTITUTION Southern Illinois University
Carbondale

Figure 1-5 Graphical Representation of Classroom Usage, 7AM-5PM
INSTITUTION Southern Illinois University
Edwardsville





INSTITUTION University of Illinois
Urbana-Champaign

Figure I-6 Graphical Representation of Classroom Usage, 7AM-5PM

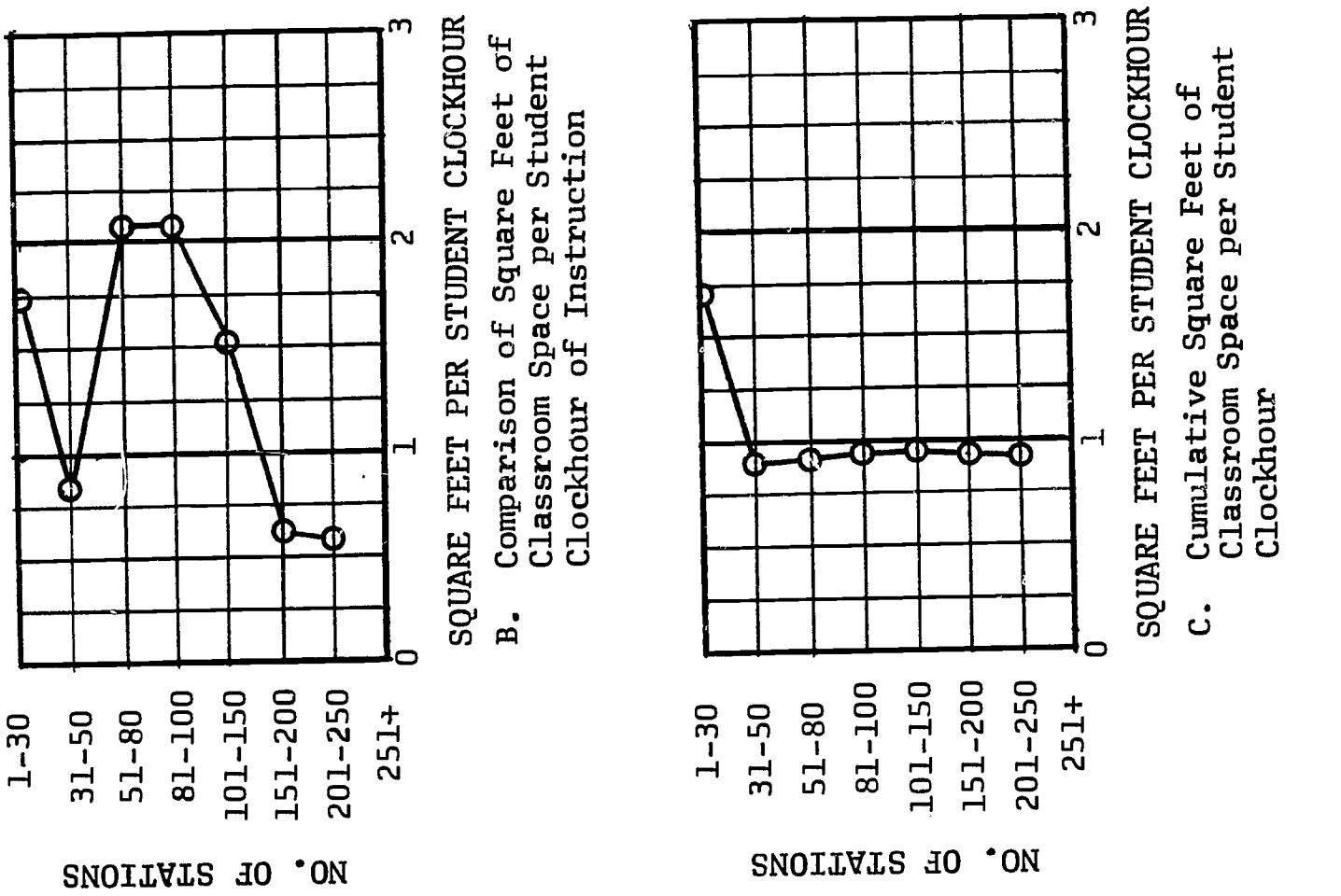
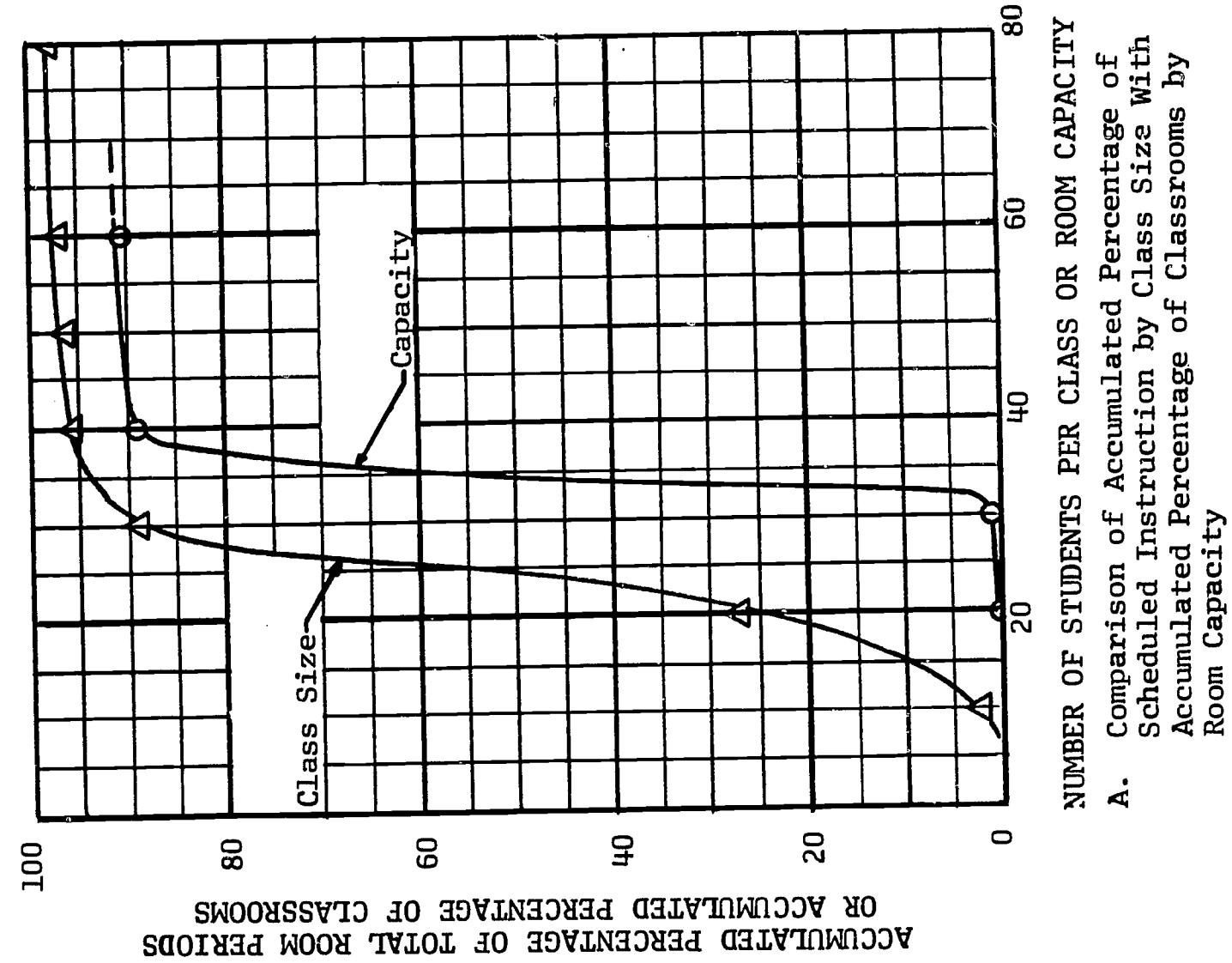


Figure 1-7 Graphical Representation of Classroom Usage, 7AM-5PM
INSTITUTION University of Illinois
Navy Pier

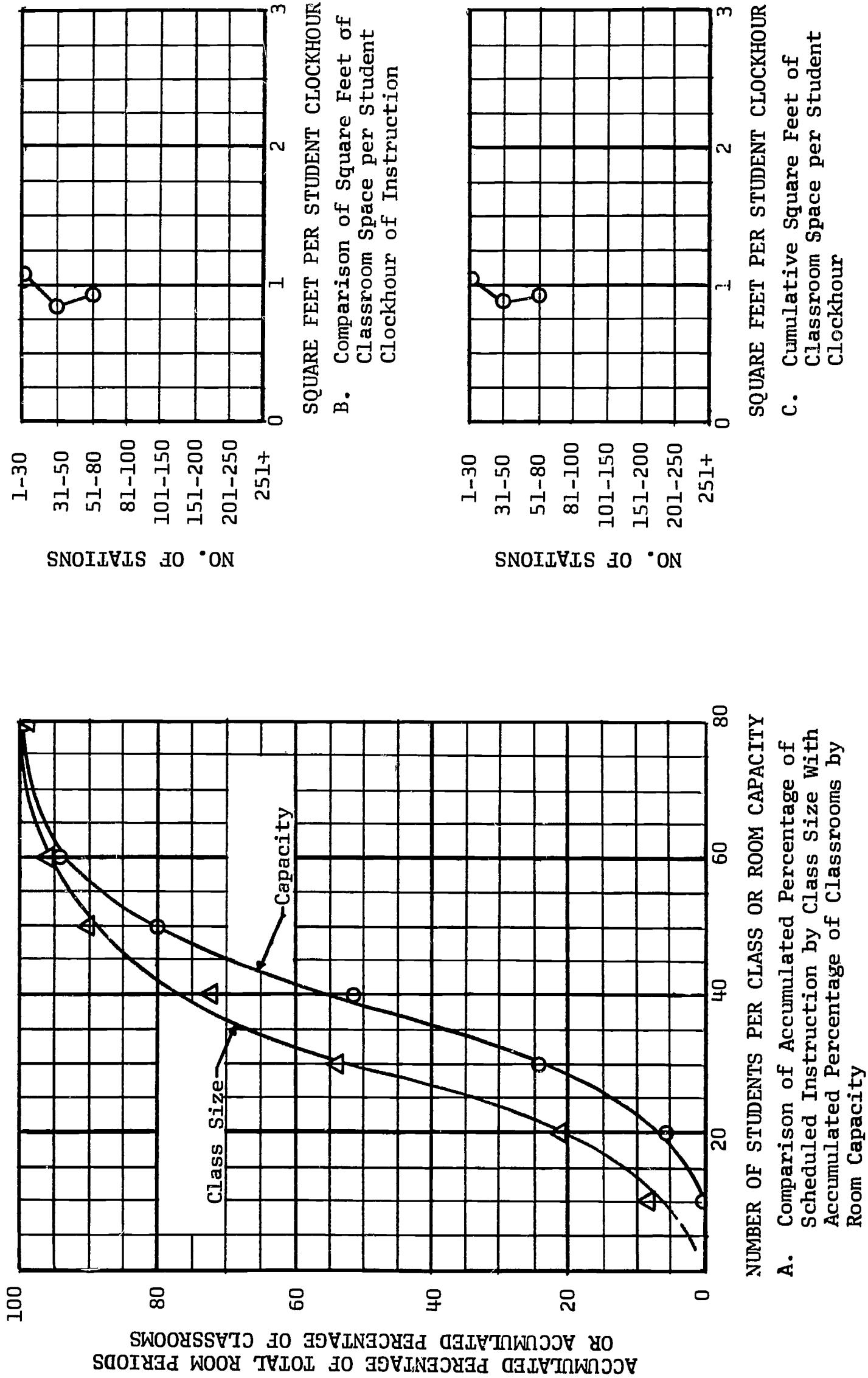


Figure 1-8 Graphical Representation of Classroom Usage, 7AM-5PM INSTITUTION Western Illinois University

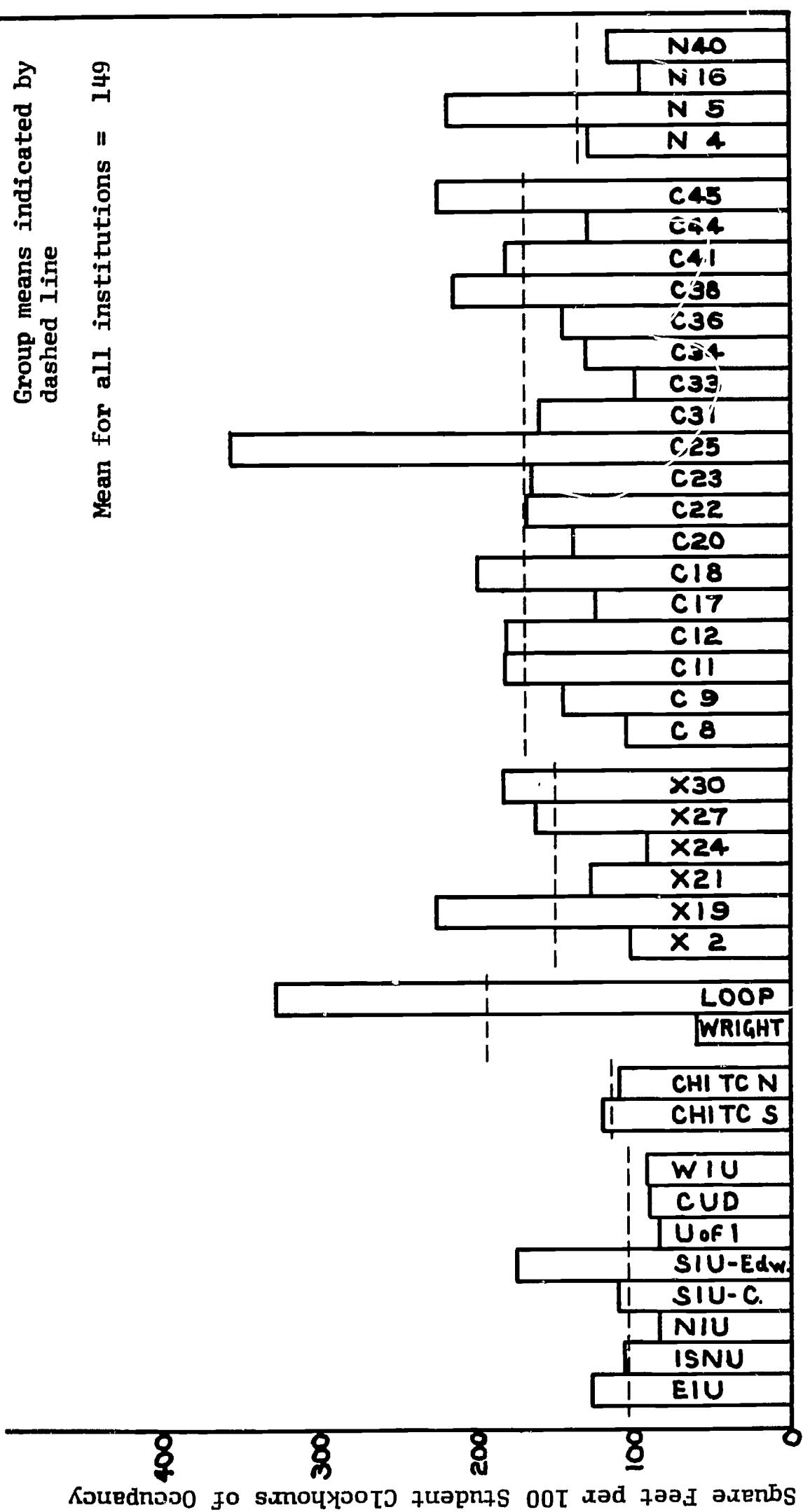


Figure 2-1. Square Feet per 100 Student Clockhours of Occupancy
(excluding institutions sharing facilities)

NORMATIVE DATA
on
Classrooms and Teaching Laboratories

NORMATIVE DATA ON USAGE OF CLASSROOMS

From "Normative Data on the Utilization of Instructional Space in Colleges and Universities"
by James T. Doi and Keith L. Scott
-July 1960-

Per- centile Rank	For all Instit.	SIZE*		CONTROL			
		TYPE		For Degree- granting Instit.		For Degree- granting Instit.	
		For Junior Colleges	Degree- granting Instit.	Producing Between 15,000 SCH or less	Degree- granting Instit.	Producing Between 15,001 and 45,000 SCH	Degree- granting Instit.
General Classrooms - Room-Period Usage							
	(N=216) **	(N=26)	(N=190)	(N=88)	(N=53)	(N=36)	(N=100)
99	45.0	45.0	44.0	29.4	34.0	44.0	34.0
90	27.3	30.9	27.2	22.8	27.3	29.6	26.8
80	25.0	26.4	24.3	19.7	24.0	28.6	22.7
70	22.8	25.1	22.4	18.7	22.7	26.6	25.9
60	20.5	23.5	20.2	17.7	20.8	26.0	20.2
50	19.1	22.9	19.0	17.2	20.2	23.8	17.7
General Classrooms - Student Hours Per Week Per Station							
	(N=197) **	(N=23)	(N=174)	(N=83)	(N=47)	(N=32)	(N=97)
99	42.7	42.7	31.0	20.0	30.0	31.0	30.0
90	18.9	25.8	17.9	14.2	20.0	19.0	17.8
80	15.5	19.1	14.8	12.1	14.8	17.7	13.9
70	13.0	17.3	12.8	10.4	13.5	16.4	12.2
60	12.0	13.5	11.7	9.8	12.3	15.1	10.6
50	10.8	12.6	10.6	9.1	11.6	13.3	9.6

General Classrooms - Percentage of Student-Stations Used When Rooms Were Actually in Use

(N=180) **	(N=21)	(N=159)	(N=76)	(N=44)	(N=27)	(N=90)	(N=88)
99	82.0	82.0	80.0	65.0	80.0	71.7	71.7
90	65.3	74.9	63.7	61.4	65.2	65.6	65.1
80	61.8	72.3	60.6	59.1	63.0	61.8	62.8
70	59.0	70.0	58.3	57.6	59.4	58.9	60.8
60	57.1	67.5	56.4	55.0	57.8	56.2	57.4
50	55.0	65.1	54.4	52.3	56.4	54.8	52.3

General Classrooms - Square Feet of Assignable Space Per 100 Hours of Student Occupancy Per Week

(N=166) ***	(N=21)	(N=145)	(N=69)	(N=41)	(N=23)	(N=90)	(N=55)
99	39.0	56.7	39.0	80.1	47.3	39.0	39.0
90	81.7	70.1	87.2	119.7	101.6	63.3	85.8
80	102.0	80.7	106.3	134.7	110.4	84.7	92.6
70	119.7	96.8	121.2	155.2	116.8	90.6	105.6
60	132.2	126.2	133.0	161.5	128.5	97.7	119.8
50	147.2	155.2	146.1	171.3	135.6	101.9	129.9

* Size determined by number of student-credit-hours (abbreviated as SCH) produced during semester or term when space utilization analysis was made.

** N is number of institutions for which data were obtained.

NORMATIVE DATA ON USAGE OF LABORATORIES

From "Normative Data on the Utilization of Instructional Space in Colleges and Universities"
by James I. Doi and Keith L. Scott
-July 1960-

Per- centile Rank	For All Instit.	TYPE		SIZE*		CONTROL	
		For Junior Colleges	For Degree- granting Instit.	For Degree- granting Instit.	Degree- granting Instit.	For Private Degree- granting Instit.	For Public Degree- granting Instit.
		(N=205) **	(N=25)	(N=180)	(N=86)	(N=51)	(N=33)
<u>Teaching Laboratories - Room-Period Usage</u>							
99	39.0	39.0	28.6	25.0	28.6	27.7	26.0
90	22.4	29.4	20.1	18.4	21.4	23.7	19.2
80	19.0	26.0	17.7	16.0	17.9	22.5	15.3
70	16.7	21.3	16.2	14.3	16.1	19.1	13.9
60	15.4	20.0	14.9	12.4	15.2	16.9	12.3
50	14.1	18.7	13.6	11.7	14.4	16.5	11.3
<u>Teaching Laboratories - Student Hours Per Week Per Station</u>							
(N=186) **		(N=22)	(N=164)	(N=80)	(N=45)	(N=29)	(N=89)
99	35.1	24.8	35.1#	24.2	24.1	22.4	24.2
90	16.3	22.0	15.1	11.8	16.9	18.4	14.0
80	13.7	17.2	13.2	9.4	12.0	16.0	11.6
70	11.6	14.8	11.3	8.1	11.4	14.7	9.4
60	10.6	12.7	10.0	7.3	10.7	13.9	8.1
50	9.1	12.5	8.8	6.8	10.4	13.3	7.2

<u>Teaching Labs - Percentage of Student-Stations Used When Rooms Were Actually in Use</u>				
	(N=170) **	(N=19)	(N=151)	(N=73)
99	99.1	99.0	99.1	90.0
90	80.9	90.0	79.2	76.6
80	75.7	82.2	73.9	65.8
70	72.0	80.0	71.2	63.3
60	67.6	77.2	66.9	59.1
50	63.7	72.9	62.7	54.4

<u>Teaching Labs - Square Feet of Assignable Space Per 100 Hours of Student Occupancy Per Week</u>				
	(N=157) **	(N=20)	(N=137)	(N=67)
99	44.0	128.2	44.0	100.4
90	188.7	148.9	208.6	253.6
80	259.8	184.2	276.3	282.7
70	297.9	207.4	311.0	338.0
60	339.8	260.6	349.9	397.8
50	397.0	324.4	399.6	497.5

- * Size determined by number of student-credit-hours (abbreviated as SCH) produced during semester or term when space utilization analysis was made.
- ** N is number of institutions for which data were obtained.
- # Information on size of this institution not obtained.